

**SHORT-TERM INDIANA OCCUPATIONAL PROJECTIONS**  
**BASE PERIOD: 2005 First Quarter**  
**PROJECTED PERIOD: 2007 First Quarter**  
**AREA: Indiana**

All data rounded to nearest 10, Occupations with less than 20 excluded

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>						
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>3,012,080</b>	<b>3,047,780</b>	<b>35,700</b>	<b>1%</b>	<b>147,530</b>	<b>198,380</b>	<b>\$33,466 NA</b>		3,012,080	3,047,780	35,700	0%	147,530	198,380
<b>11-0000</b>	<b>Management Occupations</b>	<b>137,960</b>	<b>140,240</b>	<b>2,280</b>	<b>2%</b>	<b>4,640</b>	<b>6,960</b>	<b>\$74,760 NA</b>		137,960	140,240	2,280	0%	4,640	6,960
11-1000	Top Executives	24,270	24,540	270	1%	800	1,100	NA NA		24,270	24,540	270	0%	800	1,100
11-1011	Chief Executives	6,280	6,370	90	1%	210	300	\$132,930 Work experience plus bachelor's or higher degree		6,280	6,370	90	0%	210	300
11-1021	General and Operations Managers	16,860	17,070	210	1%	570	780	\$84,026 Work experience plus bachelor's or higher degree		16,860	17,070	210	0%	570	780
11-1031	Legislators	1,130	1,100	-30	-2%	30	30	\$20,334 NA		1,130	1,100	-30	0%	30	30
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	15,070	15,480	400	3%	490	890	NA NA		15,070	15,480	400	0%	490	890
11-2011	Advertising and Promotions Managers	3,900	3,950	50	1%	120	180	\$56,074 Work experience plus bachelor's or higher degree		3,900	3,950	50	0%	120	180
11-2021	Marketing Managers	5,360	5,510	150	3%	180	330	\$79,840 Work experience plus bachelor's or higher degree		5,360	5,510	150	0%	180	330
11-2022	Sales Managers	3,730	3,880	150	4%	120	270	\$86,899 Work experience plus bachelor's or higher degree		3,730	3,880	150	0%	120	270
11-2031	Public Relations Managers	2,090	2,140	50	2%	60	110	\$61,718 Work experience plus bachelor's or higher degree		2,090	2,140	50	0%	60	110
11-3000	Operations Specialties Managers	28,620	28,960	340	1%	910	1,270	NA NA		28,620	28,960	340	0%	910	1,270
11-3011	Administrative Services Managers	4,180	4,200	20	0%	140	160	\$58,134 Work experience plus bachelor's or higher degree		4,180	4,200	20	0%	140	160
11-3021	Computer and Information Systems Managers	4,140	4,290	150	4%	130	280	\$76,579 Work experience plus bachelor's or higher degree		4,140	4,290	150	0%	130	280
11-3031	Financial Managers	5,090	5,130	40	1%	120	170	\$79,287 Work experience plus bachelor's or higher degree		5,090	5,130	40	0%	120	170
11-3040	Human Resources Managers	3,180	3,220	40	1%	90	120	NA NA		3,180	3,220	40	0%	90	120
11-3051	Industrial Production Managers	4,240	4,270	30	1%	150	170	\$69,240 Bachelor's degree		4,240	4,270	30	0%	150	170
11-3061	Purchasing Managers	4,020	4,000	-20	0%	150	150	\$68,791 Work experience plus bachelor's or higher degree		4,020	4,000	-20	0%	150	150
11-3071	Transportation, Storage, and Distribution Managers	3,770	3,850	80	2%	130	210	\$67,928 Work experience in a related occupation		3,770	3,850	80	0%	130	210
11-9000	Other Management Occupations	70,000	71,260	1,260	2%	2,440	3,700	NA NA		70,000	71,260	1,260	0%	2,440	3,700
11-9011	Farm, Ranch, and Other Agricultural Managers	2,230	2,270	50	2%	70	120	\$40,921 Work experience plus bachelor's or higher degree		2,230	2,270	50	0%	70	120
11-9012	Farmers and Ranchers	50	50	0	-4%	0	0	NA NA		50	50	0	0%	0	0
11-9021	Construction Managers	4,910	4,990	80	2%	160	230	\$71,157 Bachelor's degree		4,910	4,990	80	0%	160	230
11-9031	Education Administrators, Preschool and Child Care Center/Program	760	780	10	1%	30	50	\$40,813 Work experience plus bachelor's or higher degree		760	780	10	0%	30	50
11-9032	Education Administrators, Elementary and Secondary School	3,500	3,650	150	4%	150	300	\$73,242 Work experience plus bachelor's or higher degree		3,500	3,650	150	0%	150	300
11-9033	Education Administrators, Postsecondary	1,560	1,640	80	5%	70	150	\$60,841 Work experience plus bachelor's or higher degree		1,560	1,640	80	0%	70	150
11-9039	Education Administrators, All Other	180	180	10	3%	10	10	\$62,208 NA		180	180	10	0%	10	10
11-9041	Engineering Managers	3,490	3,520	20	1%	130	150	\$83,469 Work experience plus bachelor's or higher degree		3,490	3,520	20	0%	130	150
11-9051	Food Service Managers	5,690	5,780	90	2%	170	270	\$37,068 Work experience in a related occupation		5,690	5,780	90	0%	170	270
11-9061	Funeral Directors	330	340	10	2%	20	30	\$70,818 Associate degree		330	340	10	0%	20	30
11-9071	Gaming Managers	510	510	0	0%	20	20	\$59,382 Work experience plus bachelor's or higher degree		510	510	0	0%	20	20
11-9081	Lodging Managers	1,340	1,350	10	0%	40	50	\$39,404 Work experience in a related occupation		1,340	1,350	10	0%	40	50
11-9111	Medical and Health Services Managers	4,720	4,930	220	5%	160	380	\$65,650 Work experience plus bachelor's or higher degree		4,720	4,930	220	0%	160	380
11-9121	Natural Sciences Managers	1,140	1,160	20	2%	40	60	\$63,768 Work experience plus bachelor's or higher degree		1,140	1,160	20	0%	40	60
11-9131	Postmasters and Mail Superintendents	670	670	0	0%	20	20	\$50,130 Work experience in a related occupation		670	670	0	0%	20	20
11-9141	Property, Real Estate, and Community Association Managers	3,800	3,910	110	3%	130	240	\$47,458 Bachelor's degree		3,800	3,910	110	0%	130	240
11-9151	Social and Community Service Managers	1,670	1,730	60	4%	60	120	\$40,956 Bachelor's degree		1,670	1,730	60	0%	60	120
11-9199	Managers, All Other	33,460	33,800	350	1%	1,160	1,510	\$63,689 Work experience in a related occupation		33,460	33,800	350	0%	1,160	1,510
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>100,800</b>	<b>102,830</b>	<b>2,030</b>	<b>2%</b>	<b>3,230</b>	<b>5,280</b>	<b>\$48,323 NA</b>		100,800	102,830	2,030	0%	3,230	5,280
13-1000	Business Operations Specialists	61,360	62,650	1,280	2%	2,010	3,310	NA NA		61,360	62,650	1,280	0%	2,010	3,310
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	1,020	1,070	50	5%	40	90	\$41,290 Work experience plus bachelor's or higher degree		1,020	1,070	50	0%	40	90
13-1021	Purchasing Agents and Buyers, Farm Products	1,010	1,040	20	2%	70	90	\$48,399 Work experience in a related occupation		1,010	1,040	20	0%	70	90
13-1022	Wholesale and Retail Buyers, Except Farm Products	3,460	3,440	-20	0%	180	180	\$42,114 Bachelor's degree		3,460	3,440	-20	0%	180	180
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	5,110	5,190	80	2%	240	310	\$46,778 Bachelor's degree		5,110	5,190	80	0%	240	310
13-1031	Claims Adjusters, Examiners, and Investigators	5,150	5,220	70	1%	110	180	\$43,438 Long-term on-the-job training		5,150	5,220	70	0%	110	180
13-1032	Insurance Appraisers, Auto Damage	1,130	1,150	20	2%	20	50	\$42,674 Long-term on-the-job training		1,130	1,150	20	0%	20	50
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, a	3,350	3,390	40	1%	140	180	\$42,259 Long-term on-the-job training		3,350	3,390	40	0%	140	180
13-1051	Cost Estimators	4,330	4,340	10	0%	180	190	\$48,897 Bachelor's degree		4,330	4,340	10	0%	180	190
13-1061	Emergency Management Specialists	1,220	1,260	40	3%	50	90	\$36,554 Work experience in a related occupation		1,220	1,260	40	0%	50	90
13-1071	Employment, Recruitment, and Placement Specialists	3,140	3,170	30	1%	80	110	\$44,465 Bachelor's degree		3,140	3,170	30	0%	80	110
13-1072	Compensation, Benefits, and Job Analysis Specialists	1,850	1,920	70	4%	50	120	\$45,992 Bachelor's degree		1,850	1,920	70	0%	50	120
13-1073	Training and Development Specialists	3,990	4,100	110	3%	100	210	\$41,115 Bachelor's degree		3,990	4,100	110	0%	100	210
13-1111	Management Analysts	9,200	9,340	140	2%	220	360	\$66,133 Work experience plus bachelor's or higher degree		9,200	9,340	140	0%	220	360
13-1121	Meeting and Convention Planners	1,260	1,280	20	2%	50	70	\$37,301 Bachelor's degree		1,260	1,280	20	0%	50	70
13-1199	Business Operations Specialists, All Other	16,160	16,760	600	4%	480	1,070	\$48,311 Bachelor's degree		16,160	16,760	600	0%	480	1,070
13-2000	Financial Specialists	39,430	40,180	750	2%	1,230	1,980	NA NA		39,430	40,180	750	0%	1,230	1,980
13-2011	Accountants and Auditors	9,820	9,880	70	1%	340	410	\$53,270 Bachelor's degree		9,820	9,880	70	0%	340	410
13-2021	Appraisers and Assessors of Real Estate	1,700	1,750	50	3%	70	120	\$29,194 Postsecondary vocational training		1,700	1,750	50	0%	70	120
13-2031	Budget Analysts	3,420	3,480	70	2%	100	160	\$54,126 Bachelor's degree		3,420	3,480	70	0%	100	160

Code	Occupational Title	1st Quarter 2005	1st Quarter 2007	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>						
		Employment	Projection												
13-2041	Credit Analysts	2,240	2,260	20	1%	60	80	\$42,666 Bachelor's degree		2,240	2,260	20	0%	60	80
13-2051	Financial Analysts	4,210	4,350	140	3%	110	250	\$59,745 Bachelor's degree		4,210	4,350	140	0%	110	250
13-2052	Personal Financial Advisors	3,660	3,840	170	5%	80	260	\$57,958 Bachelor's degree		3,660	3,840	170	0%	80	260
13-2053	Insurance Underwriters	2,090	2,130	30	2%	70	100	\$48,014 Bachelor's degree		2,090	2,130	30	0%	70	100
13-2061	Financial Examiners	1,030	1,050	10	1%	40	50	\$54,422 Bachelor's degree		1,030	1,050	10	0%	40	50
13-2071	Loan Counselors	810	830	20	2%	20	40	\$32,515 Bachelor's degree		810	830	20	0%	20	40
13-2072	Loan Officers	2,870	2,920	40	2%	80	130	\$48,216 Bachelor's degree		2,870	2,920	40	0%	80	130
13-2081	Tax Examiners, Collectors, and Revenue Agents	950	950	0	0%	40	40	\$41,737 Bachelor's degree		950	950	0	0%	40	40
13-2082	Tax Preparers	930	960	20	2%	30	50	\$25,664 Moderate-term on-the-job training		930	960	20	0%	30	50
13-2099	Financial Specialists, All Other	5,690	5,790	100	2%	180	280	\$50,501 Bachelor's degree		5,690	5,790	100	0%	180	280
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>52,820</b>	<b>54,430</b>	<b>1,610</b>	<b>3%</b>	<b>1,320</b>	<b>2,980</b>	<b>\$53,500 NA</b>		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
15-1000	Computer Specialists	45,130	46,700	1,570	3%	970	2,590	NA NA		45,130	46,700	1,570	0%	970	2,590
15-1011	Computer and Information Scientists, Research	1,510	1,520	20	1%	30	40	\$91,189 Doctoral degree		1,510	1,520	20	0%	30	40
15-1021	Computer Programmers	5,560	5,510	-50	-1%	240	240	\$54,861 Bachelor's degree		5,560	5,510	-50	0%	240	240
15-1031	Computer Software Engineers, Applications	5,170	5,370	200	4%	80	280	\$67,203 Bachelor's degree		5,170	5,370	200	0%	80	280
15-1032	Computer Software Engineers, Systems Software	4,780	5,000	220	5%	80	300	\$62,567 Bachelor's degree		4,780	5,000	220	0%	80	300
15-1041	Computer Support Specialists	6,100	6,260	160	3%	130	290	\$35,515 Associate degree		6,100	6,260	160	0%	130	290
15-1051	Computer Systems Analysts	7,070	7,370	300	4%	130	430	\$58,910 Bachelor's degree		7,070	7,370	300	0%	130	430
15-1061	Database Administrators	2,490	2,600	100	4%	40	140	\$49,837 Bachelor's degree		2,490	2,600	100	0%	40	140
15-1071	Network and Computer Systems Administrators	3,060	3,180	120	4%	60	180	\$50,734 Bachelor's degree		3,060	3,180	120	0%	60	180
15-1081	Network Systems and Data Communications Analysts	3,560	3,850	290	8%	70	360	\$56,692 Bachelor's degree		3,560	3,850	290	0%	70	360
15-1099	Computer Specialists, All Other	5,830	6,040	220	4%	110	330	\$62,734 Postsecondary vocational training		5,830	6,040	220	0%	110	330
15-2000	Mathematical Scientists	7,690	7,730	40	1%	350	400	NA NA		7,690	7,730	40	0%	350	400
15-2011	Actuaries	400	400	0	1%	30	40	\$77,469 Work experience plus bachelor's or higher degree		400	400	0	0%	30	40
15-2021	Mathematicians	390	390	10	1%	30	40	NA NA		390	390	10	0%	30	40
15-2031	Operations Research Analysts	4,740	4,760	20	0%	190	210	\$61,087 Master's degree		4,740	4,760	20	0%	190	210
15-2041	Statisticians	770	760	0	0%	40	40	\$49,054 Master's degree		770	760	0	0%	40	40
15-2091	Mathematical Technicians	370	380	10	2%	20	20	\$39,910 NA		370	380	10	0%	20	20
15-2099	Mathematical Science Occupations, All Other	1,030	1,040	10	1%	40	60	\$63,646 Master's degree		1,030	1,040	10	0%	40	60
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>78,020</b>	<b>78,810</b>	<b>790</b>	<b>1%</b>	<b>3,410</b>	<b>4,470</b>	<b>\$54,843 NA</b>		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
17-1000	Architects, Surveyors, and Cartographers	3,440	3,540	90	3%	150	250	NA NA		3,440	3,540	90	0%	150	250
17-1011	Architects, Except Landscape and Naval	1,420	1,450	40	3%	30	60	\$56,797 Bachelor's degree		1,420	1,450	40	0%	30	60
17-1012	Landscape Architects	400	410	20	4%	10	20	\$60,624 Bachelor's degree		400	410	20	0%	10	20
17-1021	Cartographers and Photogrammetrists	350	350	0	-1%	30	30	\$41,602 Bachelor's degree		350	350	0	0%	30	30
17-1022	Surveyors	870	910	40	4%	60	100	\$40,478 Bachelor's degree		870	910	40	0%	60	100
17-1099	Architects, Surveyors, and Cartographers, All Other (OES Only)	420	420	10	2%	30	40	NA NA		420	420	10	0%	30	40
17-2000	Engineers	42,500	43,030	540	1%	1,820	2,480	NA NA		42,500	43,030	540	0%	1,820	2,480
17-2011	Aerospace Engineers	4,230	4,370	140	3%	200	350	\$74,205 Bachelor's degree		4,230	4,370	140	0%	200	350
17-2021	Agricultural Engineers	240	250	10	3%	20	30	NA NA		240	250	10	0%	20	30
17-2031	Biomedical Engineers	680	720	40	6%	20	60	\$64,680 Bachelor's degree		680	720	40	0%	20	60
17-2041	Chemical Engineers	930	950	20	2%	50	70	\$85,900 Bachelor's degree		930	950	20	0%	50	70
17-2051	Civil Engineers	3,360	3,430	70	2%	100	170	\$59,007 Bachelor's degree		3,360	3,430	70	0%	100	170
17-2061	Computer Hardware Engineers	2,270	2,210	-60	-2%	70	70	\$60,548 Bachelor's degree		2,270	2,210	-60	0%	70	70
17-2071	Electrical Engineers	2,980	2,990	10	0%	110	120	\$59,523 Bachelor's degree		2,980	2,990	10	0%	110	120
17-2072	Electronics Engineers, Except Computer	3,050	3,140	100	3%	110	210	\$68,332 Bachelor's degree		3,050	3,140	100	0%	110	210
17-2081	Environmental Engineers	1,610	1,750	140	9%	50	190	\$58,960 Bachelor's degree		1,610	1,750	140	0%	50	190
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspecto	1,080	1,110	30	2%	50	70	\$57,230 Bachelor's degree		1,080	1,110	30	0%	50	70
17-2112	Industrial Engineers	5,200	5,250	50	1%	240	290	\$61,222 Bachelor's degree		5,200	5,250	50	0%	240	290
17-2121	Marine Engineers and Naval Architects	540	550	10	2%	50	60	NA NA		540	550	10	0%	50	60
17-2131	Materials Engineers	1,190	1,160	-40	-3%	60	60	\$66,558 Bachelor's degree		1,190	1,160	-40	0%	60	60
17-2141	Mechanical Engineers	5,400	5,370	-40	-1%	300	300	\$64,004 Bachelor's degree		5,400	5,370	-40	0%	300	300
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	180	180	0	1%	10	10	\$57,798 NA		180	180	0	0%	10	10
17-2161	Nuclear Engineers	720	750	30	4%	40	70	NA NA		720	750	30	0%	40	70
17-2171	Petroleum Engineers	860	870	10	2%	50	70	NA NA		860	870	10	0%	50	70
17-2199	Engineers, All Other	7,980	7,990	10	0%	280	290	\$73,070 Bachelor's degree		7,980	7,990	10	0%	280	290
17-3000	Drafters, Engineering, and Mapping Technicians	32,080	32,240	160	0%	1,440	1,740	NA NA		32,080	32,240	160	0%	1,440	1,740
17-3011	Architectural and Civil Drafters	2,180	2,180	0	0%	120	120	\$37,686 Postsecondary vocational training		2,180	2,180	0	0%	120	120
17-3012	Electrical and Electronics Drafters	1,890	1,900	10	1%	100	110	\$40,050 Postsecondary vocational training		1,890	1,900	10	0%	100	110
17-3013	Mechanical Drafters	2,260	2,220	-40	-2%	120	120	\$40,863 Postsecondary vocational training		2,260	2,220	-40	0%	120	120
17-3021	Aerospace Engineering and Operations Technicians	1,070	1,110	40	4%	40	80	\$36,252 NA		1,070	1,110	40	0%	40	80
17-3022	Civil Engineering Technicians	2,320	2,340	20	1%	90	110	\$34,682 Associate degree		2,320	2,340	20	0%	90	110
17-3023	Electrical and Electronic Engineering Technicians	4,740	4,820	80	2%	180	260	\$44,962 Associate degree		4,740	4,820	80	0%	180	260
17-3024	Electro-Mechanical Technicians	3,090	3,030	-50	-2%	120	120	\$40,277 Associate degree		3,090	3,030	-50	0%	120	120
17-3025	Environmental Engineering Technicians	1,130	1,200	70	6%	40	110	\$37,748 Associate degree		1,130	1,200	70	0%	40	110
17-3026	Industrial Engineering Technicians	2,670	2,680	10	0%	100	110	\$43,397 Associate degree		2,670	2,680	10	0%	100	110
17-3027	Mechanical Engineering Technicians	3,710	3,700	-10	0%	140	140	\$47,595 Associate degree		3,710	3,700	-10	0%	140	140
17-3031	Surveying and Mapping Technicians	1,560	1,630	70	4%	120	190	\$30,608 Moderate-term on-the-job training		1,560	1,630	70	0%	120	190
17-3099	Drafters, Engineering, and Mapping Technicians, All Other (OES Only)	5,460	5,420	-40	-1%	250	250	NA NA		5,460	5,420	-40	0%	250	250
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>44,360</b>	<b>45,730</b>	<b>1,370</b>	<b>3%</b>	<b>2,080</b>	<b>3,450</b>	<b>\$53,871 NA</b>		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
										44,360	45,730	1,370	0%	2,080	3,450

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>	#/NA	#/NA	#/NA	#/NA	#/NA	#/NA
19-1000	Life Scientists	9,530	9,860	340	4%	440	780	NA NA		9,530	9,860	340	0%	440	780
19-1010	Agricultural and Food Scientists	2,200	2,260	60	3%	80	130	NA NA		2,200	2,260	60	0%	80	130
19-1021	Biochemists and Biophysicists	1,390	1,430	50	3%	90	130	\$92,321 Doctoral degree		1,390	1,430	50	0%	90	130
19-1022	Microbiologists	1,610	1,690	80	5%	100	180	\$63,308 Doctoral degree		1,610	1,690	80	0%	100	180
19-1023	Zoologists and Wildlife Biologists	660	690	30	4%	40	70	\$41,595 NA		660	690	30	0%	40	70
19-1031	Conservation Scientists	560	570	10	2%	30	40	\$55,290 Bachelor's degree		560	570	10	0%	30	40
19-1032	Foresters	510	510	0	0%	30	30	\$44,545 Bachelor's degree		510	510	0	0%	30	30
19-1041	Epidemiologists	260	280	20	8%	10	30	\$45,377 NA		260	280	20	0%	10	30
19-1042	Medical Scientists, Except Epidemiologists	920	970	50	6%	30	80	\$81,513 Doctoral degree		920	970	50	0%	30	80
19-1099	Life Scientists, All Other	1,420	1,470	50	3%	50	90	\$59,228 Bachelor's degree		1,420	1,470	50	0%	50	90
19-2000	Physical Scientists	9,570	9,840	270	3%	510	780	NA NA		9,570	9,840	270	0%	510	780
19-2012	Physicists	1,200	1,230	30	3%	80	110	\$96,246 Doctoral degree		1,200	1,230	30	0%	80	110
19-2021	Atmospheric and Space Scientists	710	750	40	6%	60	100	NA NA		710	750	40	0%	60	100
19-2031	Chemists	1,850	1,910	60	3%	120	180	\$76,913 Bachelor's degree		1,850	1,910	60	0%	120	180
19-2032	Materials Scientists	1,020	1,030	20	1%	70	80	\$60,367 Bachelor's degree		1,020	1,030	20	0%	70	80
19-2041	Environmental Scientists and Specialists, Including Health	1,250	1,280	40	3%	40	80	\$51,545 Bachelor's degree		1,250	1,280	40	0%	40	80
19-2042	Geoscientists, Except Hydrologists and Geographers	1,080	1,110	30	2%	30	60	\$54,144 Bachelor's degree		1,080	1,110	30	0%	30	60
19-2043	Hydrologists	180	180	0	1%	10	10	\$64,218 Bachelor's degree		180	180	0	0%	10	10
19-2099	Physical Scientists, All Other	2,210	2,270	60	3%	100	160	\$67,200 Bachelor's degree		2,210	2,270	60	0%	100	160
19-3000	Social Scientists and Related Workers	10,950	11,240	300	3%	530	830	NA NA		10,950	11,240	300	0%	530	830
19-3011	Economists	890	930	40	4%	50	90	\$57,136 Bachelor's degree		890	930	40	0%	50	90
19-3021	Market Research Analysts	2,860	2,900	40	1%	150	190	\$54,427 Bachelor's degree		2,860	2,900	40	0%	150	190
19-3022	Survey Researchers	560	580	20	3%	30	40	\$27,939 Bachelor's degree		560	580	20	0%	30	40
19-3031	Clinical, Counseling, and School Psychologists	1,890	1,950	60	3%	80	140	\$55,481 Master's degree		1,890	1,950	60	0%	80	140
19-3032	Industrial-Organizational Psychologists	330	350	20	5%	10	30	NA NA		330	350	20	0%	10	30
19-3041	Sociologists	660	680	20	4%	50	70	\$37,943 NA		660	680	20	0%	50	70
19-3051	Urban and Regional Planners	690	710	10	2%	40	60	\$41,458 Master's degree		690	710	10	0%	40	60
19-3091	Anthropologists and Archeologists	250	260	10	6%	10	20	NA NA		250	260	10	0%	10	20
19-3093	Historians	280	290	10	2%	10	20	\$33,366 NA		280	290	10	0%	10	20
19-3094	Political Scientists	280	290	10	3%	10	20	NA NA		280	290	10	0%	10	20
19-3099	Social Scientists and Related Workers, All Other	2,200	2,260	60	3%	90	150	\$53,178 Master's degree		2,200	2,260	60	0%	90	150
19-4000	Life, Physical, and Social Science Technicians	14,320	14,780	460	3%	600	1,060	NA NA		14,320	14,780	460	0%	600	1,060
19-4011	Agricultural and Food Science Technicians	2,990	3,090	100	3%	110	200	\$35,493 Associate degree		2,990	3,090	100	0%	110	200
19-4021	Biological Technicians	1,990	2,070	80	4%	60	150	\$36,003 Associate degree		1,990	2,070	80	0%	60	150
19-4031	Chemical Technicians	1,870	1,940	70	4%	90	160	\$36,059 Associate degree		1,870	1,940	70	0%	90	160
19-4041	Geological and Petroleum Technicians	480	490	10	2%	20	30	\$33,271 NA		480	490	10	0%	20	30
19-4051	Nuclear Technicians	560	580	20	4%	30	50	NA NA		560	580	20	0%	30	50
19-4091	Environmental Science and Protection Technicians, Including Health	1,650	1,740	90	5%	80	160	\$35,512 Associate degree		1,650	1,740	90	0%	80	160
19-4092	Forensic Science Technicians	300	310	10	4%	10	20	\$38,721 Associate degree		300	310	10	0%	10	20
19-4093	Forest and Conservation Technicians	480	500	10	2%	20	30	\$33,064 NA		480	500	10	0%	20	30
19-4099	Life, Physical, and Social Science Technicians, All Other	4,010	4,090	70	2%	180	260	\$36,438 Associate degree		4,010	4,090	70	0%	180	260
21-0000	Community and Social Services Occupations	31,960	32,900	950	3%	1,100	2,050	\$32,442 NA		31,960	32,900	950	0%	1,100	2,050
21-1000	Counselors, Social Workers, and Other Community and Social Service Spe	26,570	27,370	800	3%	920	1,720	NA NA		26,570	27,370	800	0%	920	1,720
21-1011	Substance Abuse and Behavioral Disorder Counselors	1,300	1,330	30	2%	50	80	\$31,834 Master's degree		1,300	1,330	30	0%	50	80
21-1012	Educational, Vocational, and School Counselors	4,700	4,800	100	2%	200	300	\$43,485 Master's degree		4,700	4,800	100	0%	200	300
21-1013	Marriage and Family Therapists	450	460	10	2%	20	30	\$41,602 Master's degree		450	460	10	0%	20	30
21-1014	Mental Health Counselors	2,140	2,210	70	3%	90	160	\$35,131 Master's degree		2,140	2,210	70	0%	90	160
21-1015	Rehabilitation Counselors	1,270	1,290	30	2%	50	80	\$26,755 Master's degree		1,270	1,290	30	0%	50	80
21-1021	Child, Family, and School Social Workers	4,640	4,780	140	3%	140	280	\$31,159 Bachelor's degree		4,640	4,780	140	0%	140	280
21-1022	Medical and Public Health Social Workers	2,530	2,600	70	3%	80	150	\$37,107 Bachelor's degree		2,530	2,600	70	0%	80	150
21-1023	Mental Health and Substance Abuse Social Workers	2,150	2,260	110	5%	60	170	\$33,498 Master's degree		2,150	2,260	110	0%	60	170
21-1091	Health Educators	1,310	1,360	50	4%	40	90	\$34,512 Master's degree		1,310	1,360	50	0%	40	90
21-1092	Probation Officers and Correctional Treatment Specialists	2,110	2,140	30	1%	70	100	\$30,696 Bachelor's degree		2,110	2,140	30	0%	70	100
21-1093	Social and Human Service Assistants	3,980	4,140	160	4%	130	290	\$25,510 Moderate-term on-the-job training		3,980	4,140	160	0%	130	290
21-2000	Religious Workers	1,130	1,150	20	2%	30	50	NA NA		1,130	1,150	20	0%	30	50
21-2011	Clergy	590	600	10	1%	20	30	\$33,172 Master's degree		590	600	10	0%	20	30
21-2021	Directors, Religious Activities and Education	540	550	10	2%	10	20	\$27,541 Bachelor's degree		540	550	10	0%	10	20
21-9000	Miscellaneous Counselors, Social, & Religious Workers	4,260	4,390	130	3%	140	270	NA NA		4,260	4,390	130	0%	140	270
21-9099	Counselors, Social, and Religious Workers, All Other (OES Only)	4,260	4,390	130	3%	140	270	NA NA		4,260	4,390	130	0%	140	270
23-0000	Legal Occupations	20,880	21,350	470	2%	410	890	\$55,760 NA		20,880	21,350	470	0%	410	890
23-1000	Lawyers, Judges, and Related Workers	8,200	8,350	150	2%	190	340	NA NA		8,200	8,350	150	0%	190	340
23-1011	Lawyers	7,060	7,210	150	2%	160	310	\$79,918 First professional degree		7,060	7,210	150	0%	160	310
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	270	270	0	0%	10	10	\$64,197 Work experience plus bachelor's or higher degree		270	270	0	0%	10	10
23-1022	Arbitrators, Mediators, and Conciliators	440	450	10	2%	10	20	\$41,918 Work experience plus bachelor's or higher degree		440	450	10	0%	10	20
23-1023	Judges, Magistrate Judges, and Magistrates	430	430	0	0%	10	10	\$64,501 Work experience plus bachelor's or higher degree		430	430	0	0%	10	10
23-2000	Legal Support Workers	6,260	6,340	80	1%	100	190	NA NA		6,260	6,340	80	0%	100	190

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>							
23-2011	Paralegals and Legal Assistants	2,430	2,510	80	3%	30	110	\$35,898 Associate degree		2,430	2,510	80	0%	30	110	
23-2091	Court Reporters	290	300	10	4%	10	20	\$28,988 Postsecondary vocational training		290	300	10	0%	10	20	
23-2092	Law Clerks	890	880	-10	-1%	20	20	\$33,072 Bachelor's degree		890	880	-10	0%	20	20	
23-2093	Title Examiners, Abstractors, and Searchers	2,660	2,650	-10	0%	50	50	\$29,558 Moderate-term on-the-job training		2,660	2,650	-10	0%	50	50	
23-9000	Miscellaneous Legal & Related Workers	6,420	6,660	240	4%	120	360	NA NA		6,420	6,660	240	0%	120	360	
23-9099	Legal and Related Workers, All Other (OES Only)	6,420	6,660	240	4%	120	360	NA NA		6,420	6,660	240	0%	120	360	
25-0000	Education, Training, and Library Occupations	146,900	153,560	6,660	5%	5,540	12,220	\$38,040 NA		146,900	153,560	6,660	0%	5,540	12,220	
25-1000	Postsecondary Teachers	26,270	28,120	1,860	7%	1,130	2,980	NA NA		26,270	28,120	1,860	0%	1,130	2,980	
25-1011	Business Teachers, Postsecondary	1,500	1,620	120	8%	60	190	\$60,977 Doctoral degree		1,500	1,620	120	0%	60	190	
25-1021	Computer Science Teachers, Postsecondary	620	670	50	8%	30	70	\$50,540 Doctoral degree		620	670	50	0%	30	70	
25-1022	Mathematical Science Teachers, Postsecondary	800	850	60	7%	30	90	\$49,453 Doctoral degree		800	850	60	0%	30	90	
25-1031	Architecture Teachers, Postsecondary	60	60	0	7%	0	10	\$42,843 Doctoral degree		60	60	0	0%	0	10	
25-1032	Engineering Teachers, Postsecondary	380	410	30	7%	20	40	\$66,449 Doctoral degree		380	410	30	0%	20	40	
25-1041	Agricultural Sciences Teachers, Postsecondary	230	250	20	7%	10	30	NA NA		230	250	20	0%	10	30	
25-1042	Biological Science Teachers, Postsecondary	650	700	50	7%	30	80	\$64,607 Doctoral degree		650	700	50	0%	30	80	
25-1043	Forestry and Conservation Science Teachers, Postsecondary	30	30	0	6%	0	0	NA NA		30	30	0	0%	0	0	
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	140	150	10	6%	10	20	\$74,278 Doctoral degree		140	150	10	0%	10	20	
25-1052	Chemistry Teachers, Postsecondary	310	340	20	8%	10	40	\$58,136 Doctoral degree		310	340	20	0%	10	40	
25-1053	Environmental Science Teachers, Postsecondary	80	80	0	1%	0	0	\$62,843 NA		80	80	0	0%	0	0	
25-1054	Physics Teachers, Postsecondary	190	210	10	7%	10	20	\$60,399 Doctoral degree		190	210	10	0%	10	20	
25-1061	Anthropology and Archeology Teachers, Postsecondary	60	60	0	7%	0	10	\$58,498 Doctoral degree		60	60	0	0%	0	10	
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	240	260	20	7%	10	30	\$60,150 Doctoral degree		240	260	20	0%	10	30	
25-1063	Economics Teachers, Postsecondary	150	160	10	7%	10	20	\$64,297 Doctoral degree		150	160	10	0%	10	20	
25-1064	Geography Teachers, Postsecondary	30	30	0	7%	0	0	\$47,541 Doctoral degree		30	30	0	0%	0	0	
25-1065	Political Science Teachers, Postsecondary	180	190	10	7%	10	20	\$61,215 Doctoral degree		180	190	10	0%	10	20	
25-1066	Psychology Teachers, Postsecondary	470	500	40	8%	20	60	\$55,661 Doctoral degree		470	500	40	0%	20	60	
25-1067	Sociology Teachers, Postsecondary	300	320	20	7%	10	40	\$54,524 Doctoral degree		300	320	20	0%	10	40	
25-1071	Health Specialties Teachers, Postsecondary	2,150	2,280	130	6%	90	230	\$76,385 Doctoral degree		2,150	2,280	130	0%	90	230	
25-1072	Nursing Instructors and Teachers, Postsecondary	840	900	60	7%	40	100	\$47,388 Master's degree		840	900	60	0%	40	100	
25-1081	Education Teachers, Postsecondary	1,250	1,340	100	8%	50	150	\$47,109 Doctoral degree		1,250	1,340	100	0%	50	150	
25-1082	Library Science Teachers, Postsecondary	120	120	10	7%	10	10	\$54,362 Doctoral degree		120	120	10	0%	10	10	
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	170	180	10	7%	10	20	\$46,213 Doctoral degree		170	180	10	0%	10	20	
25-1112	Law Teachers, Postsecondary	180	190	10	8%	10	20	\$93,733 Doctoral degree		180	190	10	0%	10	20	
25-1113	Social Work Teachers, Postsecondary	60	60	0	7%	0	10	\$50,646 Doctoral degree		60	60	0	0%	0	10	
25-1121	Art, Drama, and Music Teachers, Postsecondary	1,130	1,220	90	8%	50	140	\$45,324 Doctoral degree		1,130	1,220	90	0%	50	140	
25-1122	Communications Teachers, Postsecondary	370	400	30	7%	20	40	\$52,801 Doctoral degree		370	400	30	0%	20	40	
25-1123	English Language and Literature Teachers, Postsecondary	870	930	70	7%	40	100	\$46,920 Doctoral degree		870	930	70	0%	40	100	
25-1124	Foreign Language and Literature Teachers, Postsecondary	440	480	30	8%	20	50	\$48,951 Doctoral degree		440	480	30	0%	20	50	
25-1125	History Teachers, Postsecondary	300	320	20	7%	10	40	\$55,865 Doctoral degree		300	320	20	0%	10	40	
25-1126	Philosophy and Religion Teachers, Postsecondary	320	340	30	8%	10	40	\$52,697 Doctoral degree		320	340	30	0%	10	40	
25-1191	Graduate Teaching Assistants	4,810	5,130	320	7%	210	520	\$31,026 Bachelor's degree		4,810	5,130	320	0%	210	520	
25-1192	Home Economics Teachers, Postsecondary	90	100	10	7%	0	10	\$47,932 Doctoral degree		90	100	10	0%	0	10	
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	330	350	20	6%	10	30	\$51,037 Master's degree		330	350	20	0%	10	30	
25-1194	Vocational Education Teachers, Postsecondary	2,120	2,260	140	7%	90	230	\$40,674 Work experience in a related occupation		2,120	2,260	140	0%	90	230	
25-1199	Postsecondary Teachers, All Other	4,320	4,630	310	7%	190	490	\$68,746 Doctoral degree		4,320	4,630	310	0%	190	490	
25-2000	Primary, Secondary, and Special Education School Teachers	66,820	69,160	2,340	4%	2,730	5,080	NA NA		66,820	69,160	2,340	0%	2,730	5,080	
25-2011	Preschool Teachers, Except Special Education	5,020	5,080	70	1%	100	170	\$21,628 Bachelor's degree		5,020	5,080	70	0%	100	170	
25-2012	Kindergarten Teachers, Except Special Education	2,430	2,550	120	5%	50	170	\$42,171 Bachelor's degree		2,430	2,550	120	0%	50	170	
25-2021	Elementary School Teachers, Except Special Education	24,170	25,000	830	3%	940	1,770	\$44,223 Bachelor's degree		24,170	25,000	830	0%	940	1,770	
25-2022	Middle School Teachers, Except Special and Vocational Education	9,520	9,750	230	2%	370	600	\$43,950 Bachelor's degree		9,520	9,750	230	0%	370	600	
25-2023	Vocational Education Teachers, Middle School	310	320	10	2%	10	20	\$46,554 NA		310	320	10	0%	10	20	
25-2031	Secondary School Teachers, Except Special and Vocational Education	15,790	16,410	630	4%	830	1,460	\$44,488 Bachelor's degree		15,790	16,410	630	0%	830	1,460	
25-2032	Vocational Education Teachers, Secondary School	2,100	2,160	50	3%	110	170	\$48,451 Bachelor's degree		2,100	2,160	50	0%	110	170	
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary Sch	3,980	4,190	220	5%	170	390	\$42,167 Bachelor's degree		3,980	4,190	220	0%	170	390	
25-2042	Special Education Teachers, Middle School	1,480	1,570	90	6%	60	150	\$44,418 Bachelor's degree		1,480	1,570	90	0%	60	150	
25-2043	Special Education Teachers, Secondary School	2,030	2,130	110	5%	90	190	\$44,629 Bachelor's degree		2,030	2,130	110	0%	90	190	
25-3000	Other Teachers and Instructors	20,620	21,920	1,300	6%	440	1,750	NA NA		20,620	21,920	1,300	0%	440	1,750	
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	1,670	1,720	50	3%	40	90	\$35,991 Bachelor's degree		1,670	1,720	50	0%	40	90	
25-3021	Self-Enrichment Education Teachers	3,870	4,140	270	7%	80	350	\$25,510 Work experience in a related occupation		3,870	4,140	270	0%	80	350	
25-3999	Teachers, Primary, Secondary, and Adult, All Other (OES Only)	15,090	16,070	980	7%	320	1,310	NA NA		15,090	16,070	980	0%	320	1,310	
25-4000	Librarians, Curators, and Archivists	5,760	5,880	120	2%	330	450	NA NA		5,760	5,880	120	0%	330	450	
25-4010	Archivists, Curators, and Museum Technicians	490	500	20	4%	20	40	NA NA		490	500	20	0%	20	40	
25-4021	Librarians	3,050	3,100	50	2%	130	170	\$41,243 Master's degree		3,050	3,100	50	0%	130	170	
25-4031	Library Technicians	2,220	2,270	50	2%	180	230	\$20,087 Short-term on-the-job training		2,220	2,270	50	0%	180	230	
25-9000	Other Education, Training, and Library Occupations	27,440	28,480	1,040	4%	910	1,970	NA NA		27,440	28,480	1,040	0%	910	1,970	
25-9011	Audio-Visual Collections Specialists	660	660	-10	-1%	20	20	\$36,353 NA		660	660	-10	0%	20	20	
25-9021	Farm and Home Management Advisors	130	120	0	-3%	0	0	\$24,893 Bachelor's degree		130	120	0	0%	0	0	
25-9031	Instructional Coordinators	2,130	2,230	100	5%	60	160	\$49,206 Master's degree		2,130	2,230	100	0%	60	160	
25-9041	Teacher Assistants	22,260	23,160	910	4%	780	1,680	\$18,618 Short-term on-the-job training		22,260	23,160	910	0%	780	1,680	
25-9199	Library, Museum, Training, and Other Education Workers, All Other (OES C	2,260	2,310	50	2%	60	110	NA NA		2,260	2,310	50	0%	60	110	

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>	#/NA	#/NA	#/NA	#/NA	#/NA	#/NA
<b>27-0000</b>	<b>Arts, Design, Entertainment, Sports, and Media Occupations</b>	<b>80,230</b>	<b>81,920</b>	<b>1,690</b>	<b>2%</b>	<b>2,790</b>	<b>4,560</b>	<b>\$33,265 NA</b>		80,230	81,920	1,690	0%	2,790	4,560
27-1000	Art and Design Workers	31,280	31,700	420	1%	910	1,380	NA NA		31,280	31,700	420	0%	910	1,380
27-1011	Art Directors	1,640	1,650	10	1%	70	80	\$49,190 Work experience plus bachelor's or higher degree		1,640	1,650	10	0%	70	80
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	1,610	1,640	20	1%	70	90	\$34,871 Long-term on-the-job training		1,610	1,640	20	0%	70	90
27-1014	Multi-Media Artists and Animators	2,010	1,960	-50	-2%	80	80	\$41,459 Bachelor's degree		2,010	1,960	-50	0%	80	80
27-1021	Commercial and Industrial Designers	4,010	4,130	120	3%	100	210	\$50,774 Bachelor's degree		4,010	4,130	120	0%	100	210
27-1022	Fashion Designers	640	660	30	4%	20	40	\$51,900 Bachelor's degree		640	660	30	0%	20	40
27-1023	Floral Designers	2,220	2,250	30	2%	50	90	\$19,265 Moderate-term on-the-job training		2,220	2,250	30	0%	50	90
27-1024	Graphic Designers	3,730	3,810	80	2%	90	160	\$37,650 Bachelor's degree		3,730	3,810	80	0%	90	160
27-1025	Interior Designers	2,330	2,380	50	2%	60	100	\$42,234 Bachelor's degree		2,330	2,380	50	0%	60	100
27-1026	Merchandise Displayers and Window Trimmers	4,090	4,160	70	2%	100	170	\$23,997 Moderate-term on-the-job training		4,090	4,160	70	0%	100	170
27-1027	Set and Exhibit Designers	1,000	1,030	30	3%	20	50	\$31,207 NA		1,000	1,030	30	0%	20	50
27-1099	Art and Design Workers, All Other (OES Only)	8,010	8,040	30	0%	270	300	NA NA		8,010	8,040	30	0%	270	300
27-2000	Entertainers and Performers, Sports and Related Workers	22,170	22,770	600	3%	850	1,450	NA NA		22,170	22,770	600	0%	850	1,450
27-2011	Actors	6,330	6,510	180	3%	140	320	NA Long-term on-the-job training		6,330	6,510	180	0%	140	320
27-2012	Producers and Directors	1,150	1,180	30	3%	30	60	\$42,544 Work experience plus bachelor's or higher degree		1,150	1,180	30	0%	30	60
27-2021	Athletes and Sports Competitors	340	360	20	6%	10	30	\$106,108 NA		340	360	20	0%	10	30
27-2022	Coaches and Scouts	3,210	3,320	120	4%	120	230	\$24,581 Long-term on-the-job training		3,210	3,320	120	0%	120	230
27-2023	Umpires, Referees, and Other Sports Officials	870	890	20	2%	30	50	\$27,125 Long-term on-the-job training		870	890	20	0%	30	50
27-2031	Dancers	1,540	1,560	20	1%	210	240	NA Long-term on-the-job training		1,540	1,560	20	0%	210	240
27-2032	Choreographers	470	490	20	4%	70	80	\$23,788 Work experience in a related occupation		470	490	20	0%	70	80
27-2041	Music Directors and Composers	210	210	0	1%	10	10	\$37,920 Work experience plus bachelor's or higher degree		210	210	0	0%	10	10
27-2042	Musicians and Singers	3,010	3,070	70	2%	120	180	NA Long-term on-the-job training		3,010	3,070	70	0%	120	180
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	5,060	5,190	130	2%	120	240	NA Long-term on-the-job training		5,060	5,190	130	0%	120	240
27-3000	Media and Communication Workers	17,030	17,490	470	3%	610	1,080	NA NA		17,030	17,490	470	0%	610	1,080
27-3010	Announcers	1,300	1,300	0	0%	70	70	NA NA		1,300	1,300	0	0%	70	70
27-3020	News Analysts, Reporters and Correspondents	930	940	10	1%	40	50	NA NA		930	940	10	0%	40	50
27-3031	Public Relations Specialists	3,070	3,170	100	3%	80	180	\$40,999 Bachelor's degree		3,070	3,170	100	0%	80	180
27-3041	Editors	2,790	2,840	50	2%	120	170	\$41,182 Bachelor's degree		2,790	2,840	50	0%	120	170
27-3042	Technical Writers	2,500	2,630	130	5%	130	260	\$49,410 Bachelor's degree		2,500	2,630	130	0%	130	260
27-3043	Writers and Authors	2,500	2,530	30	1%	80	110	\$42,697 Bachelor's degree		2,500	2,530	30	0%	80	110
27-3091	Interpreters and Translators	1,010	1,030	20	2%	20	40	\$29,131 Long-term on-the-job training		1,010	1,030	20	0%	20	40
27-3099	Media and Communication Workers, All Other	2,930	3,070	140	5%	70	200	\$41,332 Long-term on-the-job training		2,930	3,070	140	0%	70	200
27-4000	Media and Communication Equipment Workers	9,750	9,950	200	2%	410	650	NA NA		9,750	9,950	200	0%	410	650
27-4011	Audio and Video Equipment Technicians	2,130	2,240	110	5%	100	210	\$36,110 Long-term on-the-job training		2,130	2,240	110	0%	100	210
27-4012	Broadcast Technicians	770	800	20	3%	40	60	\$23,766 Postsecondary vocational training		770	800	20	0%	40	60
27-4013	Radio Operators	280	270	-20	-5%	10	10	\$30,054 NA		280	270	-20	0%	10	10
27-4014	Sound Engineering Technicians	500	520	10	2%	30	40	\$34,562 Postsecondary vocational training		500	520	10	0%	30	40
27-4021	Photographers	2,960	2,940	-20	-1%	110	110	\$27,971 Long-term on-the-job training		2,960	2,940	-20	0%	110	110
27-4031	Camera Operators, Television, Video, and Motion Picture	740	750	10	1%	30	40	\$30,931 Moderate-term on-the-job training		740	750	10	0%	30	40
27-4032	Film and Video Editors	850	880	40	4%	30	70	\$33,450 Bachelor's degree		850	880	40	0%	30	70
27-4099	Media and Communication Equipment Workers, All Other	1,510	1,560	40	3%	70	110	\$41,040 Moderate-term on-the-job training		1,510	1,560	40	0%	70	110
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>153,750</b>	<b>159,380</b>	<b>5,630</b>	<b>4%</b>	<b>5,230</b>	<b>10,860</b>	<b>\$51,156 NA</b>		153,750	159,380	5,630	0%	5,230	10,860
29-1000	Health Diagnosing and Treating Practitioners	85,260	88,500	3,230	4%	3,040	6,280	NA NA		85,260	88,500	3,230	0%	3,040	6,280
29-1011	Chiropractors	2,630	2,680	50	2%	90	130	\$104,666 First professional degree		2,630	2,680	50	0%	90	130
29-1020	Dentists	2,730	2,790	60	2%	80	140	NA NA		2,730	2,790	60	0%	80	140
29-1031	Dietitians and Nutritionists	1,430	1,460	40	2%	70	110	\$42,973 Bachelor's degree		1,430	1,460	40	0%	70	110
29-1041	Optometrists	1,770	1,790	20	1%	100	120	\$106,140 First professional degree		1,770	1,790	20	0%	100	120
29-1051	Pharmacists	5,560	5,840	270	5%	200	480	\$80,664 First professional degree		5,560	5,840	270	0%	200	480
29-1061	Anesthesiologists	690	710	20	3%	20	30	\$183,981 First professional degree		690	710	20	0%	20	30
29-1062	Family and General Practitioners	3,160	3,230	70	2%	80	140	\$140,249 First professional degree		3,160	3,230	70	0%	80	140
29-1063	Internists, General	1,830	1,880	50	3%	40	90	\$137,630 First professional degree		1,830	1,880	50	0%	40	90
29-1064	Obstetricians and Gynecologists	800	830	30	3%	20	50	\$182,340 First professional degree		800	830	30	0%	20	50
29-1065	Pediatricians, General	1,190	1,230	40	4%	30	70	\$97,968 First professional degree		1,190	1,230	40	0%	30	70
29-1066	Psychiatrists	710	750	30	4%	20	50	\$147,777 First professional degree		710	750	30	0%	20	50
29-1067	Surgeons	2,560	2,640	80	3%	60	140	\$192,325 First professional degree		2,560	2,640	80	0%	60	140
29-1069	Physicians and Surgeons, All Other	3,030	3,090	50	2%	70	130	\$155,408 NA		3,030	3,090	50	0%	70	130
29-1071	Physician Assistants	1,210	1,280	70	6%	30	110	\$60,639 Bachelor's degree		1,210	1,280	70	0%	30	110
29-1081	Podiatrists	1,050	1,070	20	2%	50	70	\$116,449 First professional degree		1,050	1,070	20	0%	50	70
29-1111	Registered Nurses	39,630	41,290	1,670	4%	1,470	3,130	\$46,903 Associate degree		39,630	41,290	1,670	0%	1,470	3,130
29-1121	Audiologists	370	380	10	4%	20	30	\$51,401 Master's degree		370	380	10	0%	20	30
29-1122	Occupational Therapists	1,590	1,660	70	4%	40	100	\$54,527 Bachelor's degree		1,590	1,660	70	0%	40	100
29-1123	Physical Therapists	2,520	2,620	100	4%	40	140	\$62,331 Master's degree		2,520	2,620	100	0%	40	140
29-1124	Radiation Therapists	900	940	50	5%	40	80	\$56,158 Associate degree		900	940	50	0%	40	80
29-1125	Recreational Therapists	890	920	30	3%	40	70	\$28,954 Bachelor's degree		890	920	30	0%	40	70
29-1126	Respiratory Therapists	3,220	3,400	180	6%	200	390	\$41,505 Associate degree		3,220	3,400	180	0%	200	390
29-1127	Speech-Language Pathologists	2,370	2,460	80	3%	110	200	\$54,319 Master's degree		2,370	2,460	80	0%	110	200
29-1131	Veterinarians	740	750	20	2%	30	50	\$88,188 First professional degree		740	750	20	0%	30	50
29-1199	Health Diagnosing and Treating Practitioners, All Other	2,700	2,830	130	5%	110	240	\$113,103 First professional degree		2,700	2,830	130	0%	110	240
										#/NA	#/NA	#/NA	#/NA	#/NA	#/NA

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>							
29-2000	Health Technologists and Technicians	60,430	62,550	2,120	4%	1,910	4,020	NA NA		60,430	62,550	2,120	0%	1,910	4,020	
29-2011	Medical and Clinical Laboratory Technologists	3,120	3,220	100	3%	160	260	\$43,497 Bachelor's degree		3,120	3,220	100	0%	160	260	
29-2012	Medical and Clinical Laboratory Technicians	3,910	4,020	110	3%	200	310	\$29,849 Associate degree		3,910	4,020	110	0%	200	310	
29-2021	Dental Hygienists	2,320	2,480	160	7%	30	190	\$53,203 Associate degree		2,320	2,480	160	0%	30	190	
29-2031	Cardiovascular Technologists and Technicians	1,940	2,050	110	6%	70	170	\$35,247 Associate degree		1,940	2,050	110	0%	70	170	
29-2032	Diagnostic Medical Sonographers	1,030	1,070	40	4%	30	70	\$47,799 Associate degree		1,030	1,070	40	0%	30	70	
29-2033	Nuclear Medicine Technologists	560	590	30	5%	20	50	\$51,739 NA		560	590	30	0%	20	50	
29-2034	Radiologic Technologists and Technicians	4,090	4,220	130	3%	140	270	\$41,149 Associate degree		4,090	4,220	130	0%	140	270	
29-2041	Emergency Medical Technicians and Paramedics	4,770	4,920	150	3%	90	250	\$25,777 Postsecondary vocational training		4,770	4,920	150	0%	90	250	
29-2051	Dietetic Technicians	1,760	1,830	70	4%	40	110	\$21,542 Moderate-term on-the-job training		1,760	1,830	70	0%	40	110	
29-2052	Pharmacy Technicians	6,360	6,610	250	4%	150	400	\$23,107 Moderate-term on-the-job training		6,360	6,610	250	0%	150	400	
29-2053	Psychiatric Technicians	4,460	4,620	150	3%	100	260	\$24,215 Postsecondary vocational training		4,460	4,620	150	0%	100	260	
29-2054	Respiratory Therapy Technicians	1,240	1,310	70	5%	30	100	\$37,475 Postsecondary vocational training		1,240	1,310	70	0%	30	100	
29-2055	Surgical Technologists	2,460	2,580	120	5%	60	180	\$35,182 Postsecondary vocational training		2,460	2,580	120	0%	60	180	
29-2056	Veterinary Technologists and Technicians	1,880	1,960	70	4%	40	120	\$25,623 Associate degree		1,880	1,960	70	0%	40	120	
29-2061	Licensed Practical and Licensed Vocational Nurses	13,740	14,010	260	2%	550	820	\$33,800 Postsecondary vocational training		13,740	14,010	260	0%	550	820	
29-2071	Medical Records and Health Information Technicians	4,240	4,440	210	5%	110	310	\$25,168 Associate degree		4,240	4,440	210	0%	110	310	
29-2081	Opticians, Dispensing	2,120	2,180	60	3%	70	130	\$23,607 Long-term on-the-job training		2,120	2,180	60	0%	70	130	
29-2091	Orthotists and Prosthetists	440	460	20	4%	10	30	\$47,340 Bachelor's degree		440	460	20	0%	10	30	
29-9000	Other Healthcare Practitioners and Technical Occupations	2,390	2,450	70	3%	100	160	NA NA		2,390	2,450	70	0%	100	160	
29-9010	Occupational Health and Safety Specialists and Technicians	1,930	1,970	40	2%	80	120	NA NA		1,930	1,970	40	0%	80	120	
29-9091	Athletic Trainers	460	490	30	6%	20	50	\$33,252 Bachelor's degree		460	490	30	0%	20	50	
29-9100	Other Health Practitioners And Technical Workers	5,670	5,880	220	4%	190	400	NA NA		5,670	5,880	220	0%	190	400	
29-9199	Health Professionals and Technicians, All Other (OES Only)	5,670	5,880	220	4%	190	400	NA NA		5,670	5,880	220	0%	190	400	
31-0000	Healthcare Support Occupations	60,550	63,150	2,600	4%	1,800	4,400	\$22,652 NA		60,550	63,150	2,600	0%	1,800	4,400	
31-1000	Nursing, Psychiatric, and Home Health Aides	34,040	35,290	1,250	4%	810	2,050	NA NA		34,040	35,290	1,250	0%	810	2,050	
31-1011	Home Health Aides	7,620	8,000	370	5%	180	560	\$20,359 Short-term on-the-job training		7,620	8,000	370	0%	180	560	
31-1012	Nursing Aides, Orderlies, and Attendants	23,300	24,030	730	3%	550	1,290	\$20,661 Short-term on-the-job training		23,300	24,030	730	0%	550	1,290	
31-1013	Psychiatric Aides	3,130	3,260	140	4%	70	210	\$24,404 Short-term on-the-job training		3,130	3,260	140	0%	70	210	
31-2000	Occupational and Physical Therapist Assistants and Aides	3,640	3,840	200	5%	100	300	NA NA		3,640	3,840	200	0%	100	300	
31-2011	Occupational Therapist Assistants	1,030	1,090	60	6%	20	90	\$36,005 Associate degree		1,030	1,090	60	0%	20	90	
31-2012	Occupational Therapist Aides	530	560	30	5%	10	40	\$25,807 Short-term on-the-job training		530	560	30	0%	10	40	
31-2021	Physical Therapist Assistants	1,270	1,340	70	5%	40	110	\$39,549 Associate degree		1,270	1,340	70	0%	40	110	
31-2022	Physical Therapist Aides	810	850	40	5%	30	70	\$21,733 Short-term on-the-job training		810	850	40	0%	30	70	
31-9000	Other Healthcare Support Occupations	22,860	24,020	1,160	5%	890	2,050	NA NA		22,860	24,020	1,160	0%	890	2,050	
31-9011	Massage Therapists	1,520	1,570	60	4%	70	120	\$36,976 Postsecondary vocational training		1,520	1,570	60	0%	70	120	
31-9091	Dental Assistants	3,490	3,710	230	6%	190	410	\$27,172 Moderate-term on-the-job training		3,490	3,710	230	0%	190	410	
31-9092	Medical Assistants	6,860	7,330	470	7%	250	720	\$25,084 Moderate-term on-the-job training		6,860	7,330	470	0%	250	720	
31-9093	Medical Equipment Preparers	860	900	40	4%	30	70	\$23,722 Short-term on-the-job training		860	900	40	0%	30	70	
31-9094	Medical Transcriptionists	2,800	2,930	130	4%	100	230	\$26,357 Postsecondary vocational training		2,800	2,930	130	0%	100	230	
31-9095	Pharmacy Aides	2,110	2,150	40	2%	80	120	\$18,621 Short-term on-the-job training		2,110	2,150	40	0%	80	120	
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,030	1,070	40	4%	40	80	\$18,142 Short-term on-the-job training		1,030	1,070	40	0%	40	80	
31-9099	Healthcare Support Workers, All Other	4,210	4,380	170	4%	150	320	\$23,240 Short-term on-the-job training		4,210	4,380	170	0%	150	320	
33-0000	Protective Service Occupations	61,780	63,000	1,230	2%	4,180	5,410	\$29,869 NA		61,780	63,000	1,230	0%	4,180	5,410	
33-1000	First-Line Supervisors/Managers, Protective Service Workers	5,790	5,870	80	1%	340	420	NA NA		5,790	5,870	80	0%	340	420	
33-1011	First-Line Supervisors/Managers of Correctional Officers	710	730	10	2%	40	50	\$33,624 Work experience in a related occupation		710	730	10	0%	40	50	
33-1012	First-Line Supervisors/Managers of Police and Detectives	1,880	1,880	10	0%	110	120	\$51,887 Work experience in a related occupation		1,880	1,880	10	0%	110	120	
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	1,210	1,230	10	1%	100	110	\$51,807 Work experience in a related occupation		1,210	1,230	10	0%	100	110	
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	1,990	2,040	50	2%	100	140	\$33,306 Work experience in a related occupation		1,990	2,040	50	0%	100	140	
33-2000	Fire Fighting and Prevention Workers	6,260	6,370	110	2%	330	440	NA NA		6,260	6,370	110	0%	330	440	
33-2011	Fire Fighters	5,730	5,830	100	2%	310	410	\$34,815 Long-term on-the-job training		5,730	5,830	100	0%	310	410	
33-2021	Fire Inspectors and Investigators	470	480	10	1%	30	30	\$27,394 Work experience in a related occupation		470	480	10	0%	30	30	
33-2022	Forest Fire Inspectors and Prevention Specialists	70	70	0	2%	0	10	\$41,565 NA		70	70	0	0%	0	10	
33-3000	Law Enforcement Workers	20,440	20,870	440	2%	920	1,360	NA NA		20,440	20,870	440	0%	920	1,360	
33-3011	Balliffs	250	250	0	0%	10	10	\$26,243 NA		250	250	0	0%	10	10	
33-3012	Correctional Officers and Jailers	7,830	8,020	190	2%	310	500	\$27,446 Moderate-term on-the-job training		7,830	8,020	190	0%	310	500	
33-3021	Detectives and Criminal Investigators	1,350	1,370	20	2%	70	90	\$44,306 Work experience in a related occupation		1,350	1,370	20	0%	70	90	
33-3031	Fish and Game Wardens	120	120	0	-1%	10	10	\$43,881 Long-term on-the-job training		120	120	0	0%	10	10	
33-3041	Parking Enforcement Workers	290	290	0	0%	10	10	\$23,960 Short-term on-the-job training		290	290	0	0%	10	10	
33-3051	Police and Sheriff's Patrol Officers	10,440	10,660	230	2%	510	730	\$38,922 Long-term on-the-job training		10,440	10,660	230	0%	510	730	
33-3052	Transit and Railroad Police	170	170	0	2%	10	10	NA NA		170	170	0	0%	10	10	
33-9000	Other Protective Service Workers	29,290	29,890	600	2%	2,590	3,190	NA NA		29,290	29,890	600	0%	2,590	3,190	
33-9011	Animal Control Workers	270	270	0	1%	60	60	\$22,741 Moderate-term on-the-job training		270	270	0	0%	60	60	
33-9021	Private Detectives and Investigators	3,540	3,600	70	2%	140	210	\$32,014 Work experience in a related occupation		3,540	3,600	70	0%	140	210	
33-9031	Gaming Surveillance Officers and Gaming Investigators	990	1,020	30	3%	50	70	\$28,414 Moderate-term on-the-job training		990	1,020	30	0%	50	70	
33-9032	Security Guards	14,540	14,720	170	1%	670	850	\$20,811 Short-term on-the-job training		14,540	14,720	170	0%	670	850	

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>							
33-9091	Crossing Guards	3,130	3,290	160	5%	210	360	\$17,329 NA		3,130	3,290	160	0%	210	360	
33-9099	Protective Service Workers, All Other	6,820	7,000	180	3%	1,460	1,640	\$25,341 Short-term on-the-job training		6,820	7,000	180	0%	1,460	1,640	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>204,220</b>	<b>209,340</b>	<b>5,120</b>	<b>3%</b>	<b>19,950</b>	<b>25,090</b>	<b>\$16,522 NA</b>		<b>204,220</b>	<b>209,340</b>	<b>5,120</b>	<b>0%</b>	<b>19,950</b>	<b>25,090</b>	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
35-1000	Supervisors, Food Preparation and Serving Workers	16,620	17,050	440	3%	900	1,330	NA NA		16,620	17,050	440	0%	900	1,330	
35-1011	Chefs and Head Cooks	1,910	1,980	70	4%	140	210	\$29,777 Postsecondary vocational training		1,910	1,980	70	0%	140	210	
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	14,710	15,070	370	2%	760	1,120	\$25,200 Work experience in a related occupation		14,710	15,070	370	0%	760	1,120	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
35-2000	Cooks and Food Preparation Workers	54,640	55,650	1,020	2%	4,530	5,570	NA NA		54,640	55,650	1,020	0%	4,530	5,570	
35-2011	Cooks, Fast Food	9,600	9,610	0	0%	760	770	\$14,473 Short-term on-the-job training		9,600	9,610	0	0%	760	770	
35-2012	Cooks, Institution and Cafeteria	9,320	9,300	-20	0%	740	740	\$19,251 Long-term on-the-job training		9,320	9,300	-20	0%	740	740	
35-2013	Cooks, Private Household	30	30	0	-7%	0	0	NA NA		30	30	0	0%	0	0	
35-2014	Cooks, Restaurant	12,870	13,380	500	4%	1,020	1,520	\$19,185 Long-term on-the-job training		12,870	13,380	500	0%	1,020	1,520	
35-2015	Cooks, Short Order	5,880	5,940	70	1%	470	530	\$16,695 Short-term on-the-job training		5,880	5,940	70	0%	470	530	
35-2021	Food Preparation Workers	16,930	17,400	470	3%	1,540	2,010	\$17,157 Short-term on-the-job training		16,930	17,400	470	0%	1,540	2,010	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
35-3000	Food and Beverage Serving Workers	99,940	102,830	2,890	3%	11,710	14,600	NA NA		99,940	102,830	2,890	0%	11,710	14,600	
35-3011	Bartenders	7,860	7,990	130	2%	610	740	\$15,719 Short-term on-the-job training		7,860	7,990	130	0%	610	740	
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	41,480	42,550	1,070	3%	4,520	5,590	\$15,001 Short-term on-the-job training		41,480	42,550	1,070	0%	4,520	5,590	
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	8,570	8,780	210	2%	1,800	2,010	\$14,456 Short-term on-the-job training		8,570	8,780	210	0%	1,800	2,010	
35-3031	Waiters and Waitresses	37,800	39,220	1,430	4%	4,420	5,840	\$14,492 Short-term on-the-job training		37,800	39,220	1,430	0%	4,420	5,840	
35-3041	Food Servers, Nonrestaurant	4,230	4,280	60	1%	370	420	\$16,232 Short-term on-the-job training		4,230	4,280	60	0%	370	420	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
35-9000	Other Food Preparation and Serving Related Workers	33,030	33,810	780	2%	2,810	3,590	NA NA		33,030	33,810	780	0%	2,810	3,590	
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	7,160	7,360	210	3%	640	850	\$14,231 Short-term on-the-job training		7,160	7,360	210	0%	640	850	
35-9021	Dishwashers	7,880	8,060	190	2%	750	940	\$14,837 Short-term on-the-job training		7,880	8,060	190	0%	750	940	
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	5,930	6,160	230	4%	440	670	\$15,842 Short-term on-the-job training		5,930	6,160	230	0%	440	670	
35-9099	Food Preparation and Serving Related Workers, All Other	12,070	12,230	160	1%	970	1,120	\$17,088 Short-term on-the-job training		12,070	12,230	160	0%	970	1,120	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
<b>37-0000</b>	<b>Building and Grounds Cleaning and Maintenance Occupations</b>	<b>72,640</b>	<b>73,850</b>	<b>1,210</b>	<b>2%</b>	<b>2,870</b>	<b>4,080</b>	<b>\$21,319 NA</b>		<b>72,640</b>	<b>73,850</b>	<b>1,210</b>	<b>0%</b>	<b>2,870</b>	<b>4,080</b>	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
37-1000	Supervisors, Building and Grounds Cleaning and Maintenance Workers	6,020	6,130	110	2%	200	320	NA NA		6,020	6,130	110	0%	200	320	
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	3,650	3,720	80	2%	160	240	\$30,357 Work experience in a related occupation		3,650	3,720	80	0%	160	240	
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groun	2,370	2,410	40	2%	40	80	\$35,655 Work experience in a related occupation		2,370	2,410	40	0%	40	80	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
37-2000	Building Cleaning and Pest Control Workers	40,130	40,870	740	2%	1,540	2,280	NA NA		40,130	40,870	740	0%	1,540	2,280	
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	27,110	27,810	700	3%	1,020	1,720	\$20,780 Short-term on-the-job training		27,110	27,810	700	0%	1,020	1,720	
37-2012	Maids and Housekeeping Cleaners	12,200	12,220	20	0%	500	520	\$16,533 Short-term on-the-job training		12,200	12,220	20	0%	500	520	
37-2021	Pest Control Workers	820	840	20	2%	20	40	\$25,906 Moderate-term on-the-job training		820	840	20	0%	20	40	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
37-3000	Grounds Maintenance Workers	26,500	26,850	360	1%	1,120	1,480	NA NA		26,500	26,850	360	0%	1,120	1,480	
37-3011	Landscaping and Groundskeeping Workers	12,220	12,400	180	1%	530	720	\$21,269 Short-term on-the-job training		12,220	12,400	180	0%	530	720	
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1,480	1,490	10	1%	70	80	\$31,320 Moderate-term on-the-job training		1,480	1,490	10	0%	70	80	
37-3013	Tree Trimmers and Pruners	840	870	20	3%	40	60	\$23,731 Short-term on-the-job training		840	870	20	0%	40	60	
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other (OES i	11,950	12,090	140	1%	490	630	NA NA		11,950	12,090	140	0%	490	630	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>97,980</b>	<b>100,140</b>	<b>2,170</b>	<b>2%</b>	<b>6,050</b>	<b>8,260</b>	<b>\$20,102 NA</b>		<b>97,980</b>	<b>100,140</b>	<b>2,170</b>	<b>0%</b>	<b>6,050</b>	<b>8,260</b>	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
39-1000	Supervisors, Personal Care and Service Workers	8,790	8,830	50	1%	390	430	NA NA		8,790	8,830	50	0%	390	430	
39-1011	Gaming Supervisors	3,400	3,420	20	1%	140	160	\$40,943 Postsecondary vocational training		3,400	3,420	20	0%	140	160	
39-1012	Slot Key Persons	1,370	1,390	10	1%	60	70	\$24,612 Postsecondary vocational training		1,370	1,390	10	0%	60	70	
39-1021	First-Line Supervisors/Managers of Personal Service Workers	4,010	4,030	10	0%	190	210	\$30,010 Work experience in a related occupation		4,010	4,030	10	0%	190	210	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
39-2000	Animal Care and Service Workers	2,660	2,720	60	2%	120	180	NA NA		2,660	2,720	60	0%	120	180	
39-2011	Animal Trainers	1,220	1,280	60	5%	50	110	\$19,016 Moderate-term on-the-job training		1,220	1,280	60	0%	50	110	
39-2021	Nonfarm Animal Caretakers	1,440	1,440	0	0%	70	70	\$18,465 Short-term on-the-job training		1,440	1,440	0	0%	70	70	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
39-3000	Entertainment Attendants and Related Workers	27,300	28,050	750	3%	2,820	3,570	NA NA		27,300	28,050	750	0%	2,820	3,570	
39-3011	Gaming Dealers	7,010	7,160	160	2%	590	750	\$13,701 Postsecondary vocational training		7,010	7,160	160	0%	590	750	
39-3012	Gaming and Sports Book Writers and Runners	3,420	3,630	220	6%	290	510	\$14,942 NA		3,420	3,630	220	0%	290	510	
39-3021	Motion Picture Projectionists	280	280	0	0%	30	30	\$16,303 NA		280	280	0	0%	30	30	
39-3031	Ushers, Lobby Attendants, and Ticket Takers	6,950	7,100	150	2%	1,190	1,340	\$14,813 Short-term on-the-job training		6,950	7,100	150	0%	1,190	1,340	
39-3091	Amusement and Recreation Attendants	4,720	4,810	90	2%	340	430	\$14,814 Short-term on-the-job training		4,720	4,810	90	0%	340	430	
39-3092	Costume Attendants	220	220	0	1%	20	20	\$30,332 NA		220	220	0	0%	20	20	
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	1,030	1,060	30	3%	70	110	\$17,253 Work experience in a related occupation		1,030	1,060	30	0%	70	110	
39-3199	Gaming Workers, All Other (OES Only)	3,690	3,800	110	3%	290	400	NA NA		3,690	3,800	110	0%	290	400	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
39-4000	Funeral Service Workers	500	510	10	2%	20	30	NA NA		500	510	10	0%	20	30	
39-4011	Embalmers	120	130	0	2%	10	10	\$38,417 NA		120	130	0	0%	10	10	
39-4021	Funeral Attendants	380	380	10	2%	20	30	\$18,487 Short-term on-the-job training		380	380	10	0%	20	30	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
39-5000	Personal Appearance Workers	9,290	9,360	80	1%	360	460	NA NA		9,290	9,360	80	0%	360	460	
39-5011	Barbers	1,100	1,070	-30	-2%	60	60	\$20,449 Postsecondary vocational training		1,100	1,070	-30	0%	60	60	
39-5012	Hairdressers, Hairstylists, and Cosmetologists	6,080	6,150	70	1%	220	290	\$21,235 Postsecondary vocational training		6,080	6,150	70	0%	220	290	
39-5091	Makeup Artists, Theatrical and Performance	320	330	10	2%	10	20	NA NA		320	330	10	0%	10	20	
39-5092	Manicurists and Pedicurists	860	880	20	2%	30	50	\$18,264 Postsecondary vocational training		860	880	20	0%	30	50	

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>						
39-5093	Shampoers	360	360	0	1%	10	20	\$14,625	Short-term on-the-job training	360	360	0	0%	10	20
39-5094	Skin Care Specialists	570	570	0	0%	20	20	\$22,418	Postsecondary vocational training	570	570	0	0%	20	20
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
39-6000	Transportation, Tourism, and Lodging Attendants	10,040	10,300	260	3%	520	770	NA	NA	10,040	10,300	260	0%	520	770
39-6011	Baggage Porters and Bellhops	4,030	4,170	140	3%	250	390	\$30,189	Short-term on-the-job training	4,030	4,170	140	0%	250	390
39-6012	Concierges	1,250	1,260	20	1%	80	90	\$19,671	Work experience in a related occupation	1,250	1,260	20	0%	80	90
39-6021	Tour Guides and Escorts	1,770	1,820	60	3%	100	160	\$16,785	Moderate-term on-the-job training	1,770	1,820	60	0%	100	160
39-6022	Travel Guides	530	540	10	2%	30	40	\$24,509	Long-term on-the-job training	530	540	10	0%	30	40
39-6031	Flight Attendants	1,260	1,290	30	2%	30	60	\$32,964	NA	1,260	1,290	30	0%	30	60
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	1,200	1,210	10	1%	30	40	\$33,381	Short-term on-the-job training	1,200	1,210	10	0%	30	40
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
39-9000	Other Personal Care and Service Workers	39,410	40,380	970	2%	1,820	2,810	NA	NA	39,410	40,380	970	0%	1,820	2,810
39-9011	Child Care Workers	12,020	12,000	-20	0%	700	700	\$17,373	Short-term on-the-job training	12,020	12,000	-20	0%	700	700
39-9021	Personal and Home Care Aides	7,910	8,260	350	4%	240	590	\$18,907	Short-term on-the-job training	7,910	8,260	350	0%	240	590
39-9031	Fitness Trainers and Aerobics Instructors	3,750	3,910	160	4%	170	330	\$24,043	Postsecondary vocational training	3,750	3,910	160	0%	170	330
39-9032	Recreation Workers	5,920	6,050	120	2%	260	390	\$20,736	Bachelor's degree	5,920	6,050	120	0%	260	390
39-9041	Residential Advisors	1,310	1,370	60	4%	50	110	\$23,061	Moderate-term on-the-job training	1,310	1,370	60	0%	50	110
39-9099	Personal Care and Service Workers, All Other	8,500	8,790	300	3%	400	700	\$21,858	Moderate-term on-the-job training	8,500	8,790	300	0%	400	700
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41-0000	Sales and Related Occupations	237,260	238,320	1,060	0%	16,530	19,110	\$28,995	NA	237,260	238,320	1,060	0%	16,530	19,110
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41-1000	Supervisors, Sales Workers	29,270	29,390	120	0%	970	1,090	NA	NA	29,270	29,390	120	0%	970	1,090
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	20,240	20,340	100	0%	660	760	\$36,656	Work experience in a related occupation	20,240	20,340	100	0%	660	760
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	9,040	9,050	20	0%	310	330	\$63,693	Work experience in a related occupation	9,040	9,050	20	0%	310	330
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41-2000	Retail Sales Workers	112,140	113,250	1,110	1%	11,430	12,650	NA	NA	112,140	113,250	1,110	0%	11,430	12,650
41-2011	Cashiers	45,970	46,500	530	1%	5,950	6,480	\$15,987	Short-term on-the-job training	45,970	46,500	530	0%	5,950	6,480
41-2012	Gaming Change Persons and Booth Cashiers	2,590	2,640	50	2%	340	390	\$20,046	Short-term on-the-job training	2,590	2,640	50	0%	340	390
41-2021	Counter and Rental Clerks	9,870	10,080	210	2%	920	1,130	\$18,948	Short-term on-the-job training	9,870	10,080	210	0%	920	1,130
41-2022	Parts Salespersons	4,920	4,820	-110	-2%	300	300	\$26,434	Moderate-term on-the-job training	4,920	4,820	-110	0%	300	300
41-2031	Retail Salespersons	48,780	49,220	430	1%	3,930	4,360	\$21,818	Short-term on-the-job training	48,780	49,220	430	0%	3,930	4,360
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41-3000	Sales Representatives, Services	12,320	12,540	220	2%	460	680	NA	NA	12,320	12,540	220	0%	460	680
41-3011	Advertising Sales Agents	3,200	3,250	50	2%	120	170	\$42,390	Moderate-term on-the-job training	3,200	3,250	50	0%	120	170
41-3021	Insurance Sales Agents	5,110	5,190	80	2%	230	310	\$53,417	Bachelor's degree	5,110	5,190	80	0%	230	310
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,730	2,780	60	2%	60	110	\$78,858	Bachelor's degree	2,730	2,780	60	0%	60	110
41-3041	Travel Agents	1,290	1,320	30	2%	60	90	\$24,720	Postsecondary vocational training	1,290	1,320	30	0%	60	90
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41-4000	Sales Representatives, Wholesale and Manufacturing	24,200	24,720	530	2%	1,250	1,780	NA	NA	24,200	24,720	530	0%	1,250	1,780
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scien	9,250	9,540	290	3%	480	770	\$64,453	Moderate-term on-the-job training	9,250	9,540	290	0%	480	770
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical an	14,950	15,180	230	2%	770	1,010	\$49,815	Moderate-term on-the-job training	14,950	15,180	230	0%	770	1,010
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
41-9000	Other Sales and Related Workers	59,340	58,430	-910	-2%	2,420	2,920	NA	NA	59,340	58,430	-910	0%	2,420	2,920
41-9011	Demonstrators and Product Promoters	6,790	6,960	170	3%	300	470	\$25,369	Moderate-term on-the-job training	6,790	6,960	170	0%	300	470
41-9012	Models	1,340	1,370	40	3%	60	100	NA	NA	1,340	1,370	40	0%	60	100
41-9021	Real Estate Brokers	2,390	2,430	40	2%	90	130	\$82,357	Work experience in a related occupation	2,390	2,430	40	0%	90	130
41-9022	Real Estate Sales Agents	5,840	5,900	70	1%	210	280	\$38,115	Postsecondary vocational training	5,840	5,900	70	0%	210	280
41-9031	Sales Engineers	2,920	2,980	60	2%	170	230	\$71,989	Bachelor's degree	2,920	2,980	60	0%	170	230
41-9041	Telemarketers	15,530	14,850	-680	-4%	480	480	\$21,647	Short-term on-the-job training	15,530	14,850	-680	0%	480	480
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Work	16,320	15,580	-730	-4%	810	810	\$22,079	Short-term on-the-job training	16,320	15,580	-730	0%	810	810
41-9099	Sales and Related Workers, All Other	8,220	8,350	120	2%	300	430	\$31,590	Moderate-term on-the-job training	8,220	8,350	120	0%	300	430
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-0000	Office and Administrative Support Occupations	368,670	365,580	-3,090	-1%	18,420	20,290	\$26,917	NA	368,670	365,580	-3,090	0%	18,420	20,290
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-1000	Supervisors, Office and Administrative Support Workers	14,440	14,350	-90	-1%	560	560	NA	NA	14,440	14,350	-90	0%	560	560
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Work	14,440	14,350	-90	-1%	560	560	\$40,803	Work experience in a related occupation	14,440	14,350	-90	0%	560	560
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-2000	Communications Equipment Operators	10,270	9,830	-440	-4%	500	500	NA	NA	10,270	9,830	-440	0%	500	500
43-2011	Switchboard Operators, Including Answering Service	5,940	5,840	-110	-2%	310	310	\$21,046	Short-term on-the-job training	5,940	5,840	-110	0%	310	310
43-2021	Telephone Operators	1,240	1,130	-110	-9%	70	70	\$32,548	Short-term on-the-job training	1,240	1,130	-110	0%	70	70
43-2099	Communications Equipment Operators, All Other	3,080	2,860	-220	-7%	130	130	\$34,089	Short-term on-the-job training	3,080	2,860	-220	0%	130	130
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-3000	Financial Clerks	47,430	47,150	-280	-1%	2,580	2,660	NA	NA	47,430	47,150	-280	0%	2,580	2,660
43-3011	Bill and Account Collectors	6,180	6,240	60	1%	220	280	\$28,012	Short-term on-the-job training	6,180	6,240	60	0%	220	280
43-3021	Billing and Posting Clerks and Machine Operators	6,920	6,870	-60	-1%	220	220	\$26,537	Short-term on-the-job training	6,920	6,870	-60	0%	220	220
43-3031	Bookkeeping, Accounting, and Auditing Clerks	17,200	16,990	-210	-1%	610	610	\$26,985	Moderate-term on-the-job training	17,200	16,990	-210	0%	610	610
43-3041	Gaming Cage Workers	1,460	1,490	30	2%	190	220	\$22,006	Short-term on-the-job training	1,460	1,490	30	0%	190	220
43-3051	Payroll and Timekeeping Clerks	4,020	4,010	-10	0%	200	200	\$29,087	Short-term on-the-job training	4,020	4,010	-10	0%	200	200
43-3061	Procurement Clerks	2,730	2,700	-40	-1%	140	140	\$29,500	Short-term on-the-job training	2,730	2,700	-40	0%	140	140
43-3071	Tellers	8,910	8,860	-60	-1%	1,010	1,010	\$19,595	Short-term on-the-job training	8,910	8,860	-60	0%	1,010	1,010
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-4000	Information and Record Clerks	88,620	88,960	340	0%	4,020	5,240	NA	NA	88,620	88,960	340	0%	4,020	5,240
43-4011	Brokerage Clerks	2,250	2,200	-60	-2%	50	50	\$30,667	Moderate-term on-the-job training	2,250	2,200	-60	0%	50	50
43-4021	Correspondence Clerks	2,910	2,900	-10	0%	180	180	\$33,936	Short-term on-the-job training	2,910	2,900	-10	0%	180	180
43-4031	Court, Municipal, and License Clerks	2,130	2,150	20	1%	90	110	\$23,927	Short-term on-the-job training	2,130	2,150	20	0%	90	110
43-4041	Credit Authorizers, Checkers, and Clerks	6,250	6,030	-210	-3%	230	230	\$29,545	Short-term on-the-job training	6,250	6,030	-210	0%	230	230
43-4051	Customer Service Representatives	15,960	16,220	260	2%	460	720	\$29,357	Moderate-term on-the-job training	15,960	16,220	260	0%	460	720



Code	Occupational Title	1st Quarter 2005	1st Quarter 2007	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>					
		Employment	Projection											
43-4061	Eligibility Interviewers, Government Programs	2,650	2,590	-60	-2%	130	130	\$25,820 Moderate-term on-the-job training	2,650	2,590	-60	0%	130	130
43-4071	File Clerks	6,430	6,280	-150	-2%	390	390	\$20,944 Short-term on-the-job training	6,430	6,280	-150	0%	390	390
43-4081	Hotel, Motel, and Resort Desk Clerks	3,520	3,660	130	4%	360	490	\$16,278 Short-term on-the-job training	3,520	3,660	130	0%	360	490
43-4111	Interviewers, Except Eligibility and Loan	4,670	4,790	120	3%	240	360	\$23,053 Short-term on-the-job training	4,670	4,790	120	0%	240	360
43-4121	Library Assistants, Clerical	2,370	2,430	70	3%	220	290	\$16,989 Short-term on-the-job training	2,370	2,430	70	0%	220	290
43-4131	Loan Interviewers and Clerks	2,840	2,720	-120	-4%	70	70	\$30,355 Short-term on-the-job training	2,840	2,720	-120	0%	70	70
43-4141	New Accounts Clerks	1,490	1,500	10	1%	80	90	\$23,279 Work experience in a related occupation	1,490	1,500	10	0%	80	90
43-4151	Order Clerks	8,660	8,380	-280	-3%	400	400	\$25,927 Short-term on-the-job training	8,660	8,380	-280	0%	400	400
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	3,670	3,750	90	2%	150	240	\$31,107 Short-term on-the-job training	3,670	3,750	90	0%	150	240
43-4171	Receptionists and Information Clerks	11,860	12,230	370	3%	610	980	\$21,083 Short-term on-the-job training	11,860	12,230	370	0%	610	980
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	2,310	2,450	140	6%	120	270	\$25,483 Short-term on-the-job training	2,310	2,450	140	0%	120	270
43-4999	Financial, Information, and Record Clerks, All Other (OES Only)	8,670	8,690	20	0%	250	270	NA NA	8,670	8,690	20	0%	250	270
43-5000	Material Recording, Scheduling, Dispatching, and Distributing Workers	84,480	83,630	-850	-1%	5,770	6,010	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-5011	Cargo and Freight Agents	1,530	1,540	10	0%	70	70	\$34,776 Moderate-term on-the-job training	84,480	83,630	-850	0%	5,770	6,010
43-5021	Couriers and Messengers	3,330	3,240	-90	-3%	160	160	\$20,543 Short-term on-the-job training	1,530	1,540	10	0%	70	70
43-5031	Police, Fire, and Ambulance Dispatchers	1,780	1,790	10	1%	70	80	\$25,469 Moderate-term on-the-job training	3,330	3,240	-90	0%	160	160
43-5032	Dispatchers, Except Police, Fire, and Ambulance	5,300	5,230	-70	-1%	220	220	\$32,084 Moderate-term on-the-job training	1,780	1,790	10	0%	70	80
43-5041	Meter Readers, Utilities	1,240	1,220	-20	-2%	80	80	\$28,441 NA	5,300	5,230	-70	0%	220	220
43-5051	Postal Service Clerks	1,460	1,460	0	0%	70	70	\$41,541 Short-term on-the-job training	1,240	1,220	-20	0%	80	80
43-5052	Postal Service Mail Carriers	7,190	7,200	20	0%	420	440	\$42,605 Short-term on-the-job training	1,460	1,460	0	0%	70	70
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operator	3,610	3,540	-70	-2%	170	170	\$37,188 Short-term on-the-job training	7,190	7,200	20	0%	420	440
43-5061	Production, Planning, and Expediting Clerks	8,110	8,230	120	2%	370	500	\$39,236 Short-term on-the-job training	3,610	3,540	-70	0%	170	170
43-5071	Shipping, Receiving, and Traffic Clerks	11,050	10,920	-130	-1%	440	440	\$25,830 Short-term on-the-job training	8,110	8,230	120	0%	370	500
43-5081	Stock Clerks and Order Fillers	24,870	24,350	-510	-2%	2,480	2,480	\$20,867 Short-term on-the-job training	11,050	10,920	-130	0%	440	440
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	5,900	5,980	80	1%	300	380	\$25,250 Short-term on-the-job training	24,870	24,350	-510	0%	2,480	2,480
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, All Other	9,130	8,940	-190	-2%	910	910	NA NA	5,900	5,980	80	0%	300	380
43-6000	Secretaries and Administrative Assistants	44,240	44,150	-100	0%	1,540	1,730	NA NA	9,130	8,940	-190	0%	910	910
43-6011	Executive Secretaries and Administrative Assistants	12,560	12,530	-20	0%	440	440	\$33,206 Moderate-term on-the-job training	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-6012	Legal Secretaries	3,050	3,110	60	2%	110	170	\$29,415 Postsecondary vocational training	44,240	44,150	-100	0%	1,540	1,730
43-6013	Medical Secretaries	7,340	7,470	130	2%	260	390	\$24,692 Postsecondary vocational training	12,560	12,530	-20	0%	440	440
43-6014	Secretaries, Except Legal, Medical, and Executive	21,300	21,030	-270	-1%	740	740	\$25,203 Moderate-term on-the-job training	3,050	3,110	60	0%	110	170
43-9000	Other Office and Administrative Support Workers	79,190	77,510	-1,680	-2%	3,450	3,590	NA NA	7,340	7,470	130	0%	260	390
43-9011	Computer Operators	4,820	4,540	-290	-6%	200	200	\$29,868 Moderate-term on-the-job training	21,300	21,030	-270	0%	740	740
43-9021	Data Entry Keyers	6,980	6,690	-300	-4%	330	330	\$24,019 Moderate-term on-the-job training	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
43-9022	Word Processors and Typists	5,860	5,380	-490	-8%	250	250	\$24,315 Moderate-term on-the-job training	79,190	77,510	-1,680	0%	3,450	3,590
43-9031	Desktop Publishers	1,430	1,500	80	5%	60	140	\$29,298 Postsecondary vocational training	4,820	4,540	-290	0%	200	200
43-9041	Insurance Claims and Policy Processing Clerks	4,230	4,160	-60	-1%	130	130	\$28,322 Moderate-term on-the-job training	6,980	6,690	-300	0%	330	330
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	3,680	3,570	-110	-3%	230	230	\$22,802 Short-term on-the-job training	5,860	5,380	-490	0%	250	250
43-9061	Office Clerks, General	28,410	28,470	60	0%	1,260	1,330	\$21,777 Short-term on-the-job training	1,430	1,500	80	0%	60	140
43-9071	Office Machine Operators, Except Computer	2,890	2,790	-100	-3%	150	150	\$24,311 Short-term on-the-job training	4,230	4,160	-60	0%	130	130
43-9081	Proofreaders and Copy Markers	3,830	3,690	-130	-3%	170	170	\$23,785 Short-term on-the-job training	3,680	3,570	-110	0%	230	230
43-9111	Statistical Assistants	2,120	2,050	-70	-3%	60	60	\$29,496 Moderate-term on-the-job training	28,410	28,470	60	0%	1,260	1,330
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All Other	14,950	14,670	-280	-2%	600	600	NA NA	2,890	2,790	-100	0%	150	150
45-0000	Farming, Fishing, and Forestry Occupations	22,930	23,330	400	2%	1,260	1,660	\$22,322 NA	3,830	3,690	-130	0%	170	170
45-1000	Supervisors, Farming, Fishing, and Forestry Workers	1,290	1,310	20	2%	60	80	NA NA	2,120	2,050	-70	0%	60	60
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	1,130	1,140	20	2%	50	70	\$34,853 Work experience in a related occupation	14,950	14,670	-280	0%	600	600
45-1012	Farm Labor Contractors	160	170	10	3%	10	10	\$25,764 NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
45-2000	Agricultural Workers	13,920	14,120	200	1%	840	1,050	NA NA	22,930	23,330	400	0%	1,260	1,660
45-2011	Agricultural Inspectors	490	500	10	1%	20	30	\$37,915 Work experience in a related occupation	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
45-2021	Animal Breeders	190	180	-10	-3%	10	10	NA NA	1,290	1,310	20	0%	60	80
45-2041	Graders and Sorters, Agricultural Products	1,230	1,230	0	0%	70	70	\$21,781 Work experience in a related occupation	1,130	1,140	20	0%	50	70
45-2091	Agricultural Equipment Operators	1,300	1,330	30	3%	80	110	\$26,056 Moderate-term on-the-job training	160	170	10	0%	10	10
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	8,700	8,830	140	2%	540	670	\$20,359 Long-term on-the-job training	1,230	1,230	0	0%	70	70
45-2093	Farmworkers, Farm and Ranch Animals	2,010	2,040	30	2%	120	160	\$21,470 Moderate-term on-the-job training	1,300	1,330	30	0%	80	110
45-4000	Forest, Conservation, and Logging Workers	2,360	2,380	10	1%	90	110	NA NA	8,700	8,830	140	0%	540	670
45-4011	Forest and Conservation Workers	500	500	0	-1%	30	30	\$21,774 Moderate-term on-the-job training	2,010	2,040	30	0%	120	160
45-4021	Fallers	320	320	0	1%	10	10	\$32,104 Moderate-term on-the-job training	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
45-4022	Logging Equipment Operators	1,190	1,200	10	1%	40	60	\$23,276 Moderate-term on-the-job training	2,360	2,380	10	0%	90	110
45-4023	Log Graders and Scalers	350	350	0	0%	10	10	\$31,836 Moderate-term on-the-job training	500	500	0	0%	30	30
45-9000	Other Farming, Fishing, and Forestry Workers	5,360	5,520	160	3%	270	430	NA NA	320	320	0	0%	10	10
45-9099	Farming, Fishing, and Forestry Workers, All Other (OES Only)	5,360	5,520	160	3%	270	430	NA NA	1,190	1,200	10	0%	40	60
47-0000	Construction and Extraction Occupations	166,910	169,810	2,900	2%	6,460	9,400	\$39,764 NA	350	350	0	0%	10	10
47-1000	Supervisors, Construction and Extraction Workers	8,190	8,330	140	2%	240	380	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	8,190	8,330	140	2%	240	380	\$51,839 Work experience in a related occupation	5,360	5,520	160	0%	270	430
47-2000	Construction Trades Workers	121,850	123,840	2,000	2%	4,370	6,400	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
47-2011	Boilermakers	2,140	2,130	-10	-1%	160	160	\$45,413 Long-term on-the-job training	166,910	169,810	2,900	0%	6,460	9,400

Code	Occupational Title	1st Quarter 2005	1st Quarter 2007	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>						
		Employment	Projection												
47-2021	Brickmasons and Blockmasons	4,380	4,450	80	2%	120	200	\$47,259 Long-term on-the-job training	4,380	4,450	80	0%	120	200	
47-2022	Stonemasons	1,630	1,650	20	1%	40	60	\$33,315 Long-term on-the-job training	1,630	1,650	20	0%	40	60	
47-2031	Carpenters	16,340	16,480	150	1%	480	630	\$36,655 Long-term on-the-job training	16,340	16,480	150	0%	480	630	
47-2041	Carpet Installers	2,080	2,100	20	1%	60	80	\$38,412 Moderate-term on-the-job training	2,080	2,100	20	0%	60	80	
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	1,120	1,160	40	3%	30	70	\$32,856 Moderate-term on-the-job training	1,120	1,160	40	0%	30	70	
47-2043	Floor Sanders and Finishers	1,220	1,200	-20	-1%	30	30	\$26,962 Moderate-term on-the-job training	1,220	1,200	-20	0%	30	30	
47-2044	Tile and Marble Setters	1,050	1,080	40	4%	30	70	\$42,851 Long-term on-the-job training	1,050	1,080	40	0%	30	70	
47-2051	Cement Masons and Concrete Finishers	4,050	4,200	150	4%	150	310	\$36,762 Long-term on-the-job training	4,050	4,200	150	0%	150	310	
47-2053	Terrazzo Workers and Finishers	1,040	1,070	30	3%	40	70	\$42,527 Long-term on-the-job training	1,040	1,070	30	0%	40	70	
47-2061	Construction Laborers	12,560	12,710	150	1%	310	460	\$32,956 Moderate-term on-the-job training	12,560	12,710	150	0%	310	460	
47-2071	Paving, Surfacing, and Tamping Equipment Operators	2,130	2,180	50	2%	60	110	\$35,176 Moderate-term on-the-job training	2,130	2,180	50	0%	60	110	
47-2072	Pile-Driver Operators	660	680	10	2%	20	40	\$55,790 Moderate-term on-the-job training	660	680	10	0%	20	40	
47-2073	Operating Engineers and Other Construction Equipment Operators	5,520	5,650	130	2%	280	410	\$42,914 Moderate-term on-the-job training	5,520	5,650	130	0%	280	410	
47-2081	Drywall and Ceiling Tile Installers	1,330	1,350	20	2%	50	70	\$37,781 Moderate-term on-the-job training	1,330	1,350	20	0%	50	70	
47-2082	Tapers	1,170	1,220	50	4%	50	100	\$36,412 Moderate-term on-the-job training	1,170	1,220	50	0%	50	100	
47-2111	Electricians	13,130	13,430	300	2%	490	780	\$48,793 Long-term on-the-job training	13,130	13,430	300	0%	490	780	
47-2121	Glaziers	2,170	2,210	30	1%	80	110	\$34,644 Long-term on-the-job training	2,170	2,210	30	0%	80	110	
47-2130	Insulation Workers	2,320	2,380	60	2%	140	200	NA NA	2,320	2,380	60	0%	140	200	
47-2141	Painters, Construction and Maintenance	8,880	8,940	60	1%	250	300	\$32,492 Moderate-term on-the-job training	8,880	8,940	60	0%	250	300	
47-2142	Paperhangers	1,070	1,080	10	1%	20	30	\$39,499 Moderate-term on-the-job training	1,070	1,080	10	0%	20	30	
47-2151	Pipelayers	1,200	1,220	30	2%	50	80	\$33,120 Moderate-term on-the-job training	1,200	1,220	30	0%	50	80	
47-2152	Plumbers, Pipefitters, and Steamfitters	12,480	12,530	50	0%	550	600	\$51,001 Long-term on-the-job training	12,480	12,530	50	0%	550	600	
47-2161	Plasterers and Stucco Masons	5,620	5,770	150	3%	180	340	\$41,848 Long-term on-the-job training	5,620	5,770	150	0%	180	340	
47-2171	Reinforcing Iron and Rebar Workers	1,820	1,840	20	1%	70	90	\$49,196 Long-term on-the-job training	1,820	1,840	20	0%	70	90	
47-2181	Roofers	4,210	4,450	250	6%	180	430	\$32,693 Moderate-term on-the-job training	4,210	4,450	250	0%	180	430	
47-2211	Sheet Metal Workers	6,610	6,640	30	0%	310	340	\$41,494 Moderate-term on-the-job training	6,610	6,640	30	0%	310	340	
47-2221	Structural Iron and Steel Workers	3,940	4,060	120	3%	140	260	\$48,694 Long-term on-the-job training	3,940	4,060	120	0%	140	260	
47-3000	Helpers, Construction Trades	9,800	9,940	140	1%	810	950	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble S	1,010	1,010	0	0%	80	80	\$29,431 Short-term on-the-job training	1,010	1,010	0	0%	80	80	
47-3012	Helpers--Carpenters	2,330	2,390	60	2%	190	250	\$22,738 Short-term on-the-job training	2,330	2,390	60	0%	190	250	
47-3013	Helpers--Electricians	1,670	1,690	20	1%	140	160	\$24,642 Short-term on-the-job training	1,670	1,690	20	0%	140	160	
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	1,290	1,310	10	1%	110	120	\$21,266 Short-term on-the-job training	1,290	1,310	10	0%	110	120	
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	1,500	1,520	10	1%	120	140	\$24,882 Short-term on-the-job training	1,500	1,520	10	0%	120	140	
47-3016	Helpers--Roofers	420	440	20	5%	40	50	\$22,634 Short-term on-the-job training	420	440	20	0%	40	50	
47-3019	Helpers, Construction Trades, All Other	1,570	1,590	20	1%	130	150	\$21,755 Short-term on-the-job training	1,570	1,590	20	0%	130	150	
47-4000	Other Construction and Related Workers	11,730	11,960	230	2%	430	660	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
47-4011	Construction and Building Inspectors	1,930	1,980	50	2%	80	130	\$36,865 Work experience in a related occupation	1,930	1,980	50	0%	80	130	
47-4021	Elevator Installers and Repairers	810	820	10	1%	40	50	\$60,678 Long-term on-the-job training	810	820	10	0%	40	50	
47-4031	Fence Erectors	1,650	1,680	30	2%	40	70	\$22,779 Moderate-term on-the-job training	1,650	1,680	30	0%	40	70	
47-4041	Hazardous Materials Removal Workers	2,140	2,240	100	5%	110	210	\$33,042 Moderate-term on-the-job training	2,140	2,240	100	0%	110	210	
47-4051	Highway Maintenance Workers	3,660	3,680	20	1%	100	120	\$25,839 Moderate-term on-the-job training	3,660	3,680	20	0%	100	120	
47-4061	Rail-Track Laying and Maintenance Equipment Operators	430	430	0	-1%	20	20	\$39,024 Moderate-term on-the-job training	430	430	0	0%	20	20	
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	520	530	10	2%	30	40	\$25,481 Moderate-term on-the-job training	520	530	10	0%	30	40	
47-4091	Segmental Pavers	600	620	20	3%	20	40	NA NA	600	620	20	0%	20	40	
47-4900	All Other Construction Trades and Related Workers	9,260	9,450	200	2%	270	470	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
47-4999	Construction Trades and Related Workers, All Other (OES Only)	9,260	9,450	200	2%	270	470	NA NA	9,260	9,450	200	0%	270	470	
47-5000	Extraction Workers	6,090	6,290	200	3%	340	540	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
47-5011	Derrick Operators, Oil and Gas	180	190	10	4%	10	20	\$19,842 NA	180	190	10	0%	10	20	
47-5012	Rotary Drill Operators, Oil and Gas	340	350	10	4%	20	30	\$46,781 NA	340	350	10	0%	20	30	
47-5013	Service Unit Operators, Oil, Gas, and Mining	300	300	0	1%	20	20	NA NA	300	300	0	0%	20	20	
47-5021	Earth Drillers, Except Oil and Gas	310	310	10	2%	10	20	\$33,972 Moderate-term on-the-job training	310	310	10	0%	10	20	
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	560	570	10	2%	50	60	\$35,273 Moderate-term on-the-job training	560	570	10	0%	50	60	
47-5041	Continuous Mining Machine Operators	110	110	0	1%	10	10	\$33,158 NA	110	110	0	0%	10	10	
47-5042	Mine Cutting and Channeling Machine Operators	340	370	30	8%	20	50	\$32,756 Work experience in a related occupation	340	370	30	0%	20	50	
47-5049	Mining Machine Operators, All Other	170	170	0	2%	10	10	NA NA	170	170	0	0%	10	10	
47-5051	Rock Splitters, Quarry	140	150	0	3%	10	10	\$33,570 Moderate-term on-the-job training	140	150	0	0%	10	10	
47-5061	Roof Bolters, Mining	30	30	0	-7%	0	0	NA NA	30	30	0	0%	0	0	
47-5071	Roustabouts, Oil and Gas	2,260	2,360	100	4%	120	220	NA NA	2,260	2,360	100	0%	120	220	
47-5081	Helpers--Extraction Workers	890	910	10	1%	50	60	\$28,657 Short-term on-the-job training	890	910	10	0%	50	60	
47-5099	Extraction Workers, All Other	480	490	10	2%	20	30	\$34,831 NA	480	490	10	0%	20	30	
49-0000	Installation, Maintenance, and Repair Occupations	174,810	176,650	1,840	1%	7,870	10,070	\$36,839 NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	7,060	7,160	100	1%	320	430	NA NA	7,060	7,160	100	0%	320	430	
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	7,060	7,160	100	1%	320	430	\$49,820 Work experience in a related occupation	7,060	7,160	100	0%	320	430	
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	28,850	29,080	230	1%	1,070	1,370	NA NA	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
49-2011	Computer, Automated Teller, and Office Machine Repairers	4,220	4,210	-10	0%	90	90	\$31,864 Postsecondary vocational training	4,220	4,210	-10	0%	90	90	
49-2021	Radio Mechanics	280	260	-20	-8%	10	10	\$35,157 Postsecondary vocational training	280	260	-20	0%	10	10	
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Insta	4,020	4,080	70	2%	140	210	\$45,972 Postsecondary vocational training	4,020	4,080	70	0%	140	210	
49-2091	Avionics Technicians	1,050	1,070	20	2%	50	70	\$45,178 Postsecondary vocational training	1,050	1,070	20	0%	50	70	
49-2092	Electric Motor, Power Tool, and Related Repairers	2,930	2,950	20	1%	130	160	\$38,705 Postsecondary vocational training	2,930	2,950	20	0%	130	160	
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipme	1,770	1,780	20	1%	80	100	\$40,203 Postsecondary vocational training	1,770	1,780	20	0%	80	100	

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>							
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	4,170	4,200	30	1%	170	200	\$39,415	Postsecondary vocational training	4,170	4,200	30	0%	170	200	
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	940	940	10	1%	40	50	\$52,725	Postsecondary vocational training	940	940	10	0%	40	50	
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	1,630	1,660	30	2%	80	100	\$30,870	Postsecondary vocational training	1,630	1,660	30	0%	80	100	
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	1,630	1,590	-30	-2%	60	60	\$28,997	Postsecondary vocational training	1,630	1,590	-30	0%	60	60	
49-2098	Security and Fire Alarm Systems Installers	1,880	1,910	30	2%	70	100	\$30,134	Postsecondary vocational training	1,880	1,910	30	0%	70	100	
49-2099	Electrical and Electronic Equipment Mechanics, Installers, and Repairers, A	4,340	4,410	70	2%	160	230	NA NA		4,340	4,410	70	0%	160	230	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
49-3000	Vehicle and Mobile Equipment Mechanics, Installers	46,360	46,950	590	1%	2,390	3,000	NA NA		46,360	46,950	590	0%	2,390	3,000	
49-3011	Aircraft Mechanics and Service Technicians	3,050	3,100	50	2%	140	190	\$44,691	Postsecondary vocational training	3,050	3,100	50	0%	140	190	
49-3021	Automotive Body and Related Repairers	3,550	3,570	10	0%	140	150	\$35,434	Long-term on-the-job training	3,550	3,570	10	0%	140	150	
49-3022	Automotive Glass Installers and Repairers	650	670	20	2%	20	40	\$28,586	Long-term on-the-job training	650	670	20	0%	20	40	
49-3023	Automotive Service Technicians and Mechanics	11,730	11,840	110	1%	610	720	\$32,255	Postsecondary vocational training	11,730	11,840	110	0%	610	720	
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	6,680	6,810	130	2%	330	460	\$36,379	Postsecondary vocational training	6,680	6,810	130	0%	330	460	
49-3041	Farm Equipment Mechanics	1,780	1,780	0	0%	70	70	\$30,573	Postsecondary vocational training	1,780	1,780	0	0%	70	70	
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	3,830	3,850	20	0%	150	170	\$35,853	Postsecondary vocational training	3,830	3,850	20	0%	150	170	
49-3043	Rail Car Repairers	490	500	20	3%	20	30	\$26,850	Long-term on-the-job training	490	500	20	0%	20	30	
49-3051	Motorboat Mechanics	560	570	10	1%	30	30	\$28,979	Long-term on-the-job training	560	570	10	0%	30	30	
49-3052	Motorcycle Mechanics	490	510	20	5%	20	50	\$29,702	Long-term on-the-job training	490	510	20	0%	20	50	
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	2,020	2,070	40	2%	100	140	\$24,398	Moderate-term on-the-job training	2,020	2,070	40	0%	100	140	
49-3091	Bicycle Repairers	180	190	10	4%	20	30	\$19,396	Moderate-term on-the-job training	180	190	10	0%	20	30	
49-3092	Recreational Vehicle Service Technicians	1,300	1,340	30	3%	130	170	\$32,346	Long-term on-the-job training	1,300	1,340	30	0%	130	170	
49-3093	Tire Repairers and Changers	2,010	1,990	-20	-1%	200	200	\$22,254	Short-term on-the-job training	2,010	1,990	-20	0%	200	200	
49-3099	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers, All Oth	8,030	8,170	150	2%	420	560	NA NA		8,030	8,170	150	0%	420	560	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
49-9000	Other Installation, Maintenance, and Repair Occupations	92,550	93,470	920	1%	4,090	5,280	NA NA		92,550	93,470	920	0%	4,090	5,280	
49-9011	Mechanical Door Repairers	1,250	1,270	20	2%	60	90	\$43,759	Moderate-term on-the-job training	1,250	1,270	20	0%	60	90	
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	2,420	2,500	90	4%	120	200	\$41,202	Moderate-term on-the-job training	2,420	2,500	90	0%	120	200	
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	7,250	7,530	280	4%	170	450	\$38,172	Long-term on-the-job training	7,250	7,530	280	0%	170	450	
49-9031	Home Appliance Repairers	2,630	2,580	-50	-2%	120	120	\$32,473	Long-term on-the-job training	2,630	2,580	-50	0%	120	120	
49-9041	Industrial Machinery Mechanics	6,850	6,960	120	2%	250	370	\$43,820	Long-term on-the-job training	6,850	6,960	120	0%	250	370	
49-9042	Maintenance and Repair Workers, General	18,040	18,240	200	1%	640	840	\$32,819	Long-term on-the-job training	18,040	18,240	200	0%	640	840	
49-9043	Maintenance Workers, Machinery	5,340	5,380	40	1%	250	290	\$37,405	Long-term on-the-job training	5,340	5,380	40	0%	250	290	
49-9044	Millwrights	6,760	6,720	-40	-1%	310	310	\$50,091	Long-term on-the-job training	6,760	6,720	-40	0%	310	310	
49-9045	Refractory Materials Repairers, Except Brickmasons	950	950	0	0%	40	40	\$45,745	Long-term on-the-job training	950	950	0	0%	40	40	
49-9051	Electrical Power-Line Installers and Repairers	3,900	3,770	-130	-3%	240	240	\$51,165	Long-term on-the-job training	3,900	3,770	-130	0%	240	240	
49-9052	Telecommunications Line Installers and Repairers	4,740	4,890	150	3%	250	400	\$39,864	Long-term on-the-job training	4,740	4,890	150	0%	250	400	
49-9061	Camera and Photographic Equipment Repairers	1,460	1,410	-40	-3%	80	80	NA NA		1,460	1,410	-40	0%	80	80	
49-9062	Medical Equipment Repairers	1,260	1,300	30	3%	70	100	\$36,086	Moderate-term on-the-job training	1,260	1,300	30	0%	70	100	
49-9063	Musical Instrument Repairers and Tuners	160	160	0	3%	10	10	\$33,676	Long-term on-the-job training	160	160	0	0%	10	10	
49-9064	Watch Repairers	340	330	-10	-2%	20	20	\$37,180	Long-term on-the-job training	340	330	-10	0%	20	20	
49-9069	Precision Instrument and Equipment Repairers, All Other	1,960	1,980	10	1%	100	120	\$42,048	Long-term on-the-job training	1,960	1,980	10	0%	100	120	
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	2,510	2,510	0	0%	120	120	\$29,115	Moderate-term on-the-job training	2,510	2,510	0	0%	120	120	
49-9093	Fabric Menders, Except Garment	180	180	0	0%	10	10	\$29,056	NA	180	180	0	0%	10	10	
49-9094	Locksmiths and Safe Repairers	1,070	1,070	-10	0%	70	70	\$28,603	Moderate-term on-the-job training	1,070	1,070	-10	0%	70	70	
49-9095	Manufactured Building and Mobile Home Installers	1,390	1,400	20	1%	70	80	\$29,150	Moderate-term on-the-job training	1,390	1,400	20	0%	70	80	
49-9096	Riggers	1,670	1,710	40	2%	70	110	\$38,091	Short-term on-the-job training	1,670	1,710	40	0%	70	110	
49-9097	Signal and Track Switch Repairers	50	50	0	0%	0	0	\$45,510	Long-term on-the-job training	50	50	0	0%	0	0	
49-9098	Helpers--Installation, Maintenance, and Repair Workers	5,280	5,330	60	1%	390	450	\$23,106	Short-term on-the-job training	5,280	5,330	60	0%	390	450	
49-9099	Installation, Maintenance, and Repair Workers, All Other	15,130	15,250	120	1%	660	780	\$32,477	Long-term on-the-job training	15,130	15,250	120	0%	660	780	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
51-0000	Production Occupations	459,540	454,070	-5,480	-1%	21,800	23,270	\$31,402	NA	459,540	454,070	-5,480	0%	21,800	23,270	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
51-1000	Supervisors, Production Workers	14,830	14,840	10	0%	570	580	NA NA		14,830	14,840	10	0%	570	580	
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	14,830	14,840	10	0%	570	580	\$47,428	Work experience in a related occupation	14,830	14,840	10	0%	570	580	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
51-2000	Assemblers and Fabricators	93,710	91,400	-2,310	-2%	4,690	4,690	NA NA		93,710	91,400	-2,310	0%	4,690	4,690	
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	2,120	2,100	-10	-1%	110	110	\$34,900	Long-term on-the-job training	2,120	2,100	-10	0%	110	110	
51-2021	Coil Winders, Tapers, and Finishers	2,930	2,810	-120	-4%	130	130	\$26,850	Short-term on-the-job training	2,930	2,810	-120	0%	130	130	
51-2022	Electrical and Electronic Equipment Assemblers	5,690	5,450	-240	-4%	260	260	\$25,450	Short-term on-the-job training	5,690	5,450	-240	0%	260	260	
51-2023	Electromechanical Equipment Assemblers	3,480	3,420	-60	-2%	160	160	\$24,930	Short-term on-the-job training	3,480	3,420	-60	0%	160	160	
51-2031	Engine and Other Machine Assemblers	4,180	4,100	-80	-2%	230	230	\$40,838	Short-term on-the-job training	4,180	4,100	-80	0%	230	230	
51-2041	Structural Metal Fabricators and Fitters	7,240	7,190	-50	-1%	330	330	\$31,886	Moderate-term on-the-job training	7,240	7,190	-50	0%	330	330	
51-2091	Fiberglass Laminators and Fabricators	5,240	5,230	-20	0%	270	270	\$26,258	Moderate-term on-the-job training	5,240	5,230	-20	0%	270	270	
51-2092	Team Assemblers	45,450	44,190	-1,260	-3%	2,320	2,320	\$30,069	Moderate-term on-the-job training	45,450	44,190	-1,260	0%	2,320	2,320	
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	980	950	-40	-4%	50	50	\$24,370	Moderate-term on-the-job training	980	950	-40	0%	50	50	
51-2099	Assemblers and Fabricators, All Other	16,400	15,960	-440	-3%	840	840	\$31,962	Moderate-term on-the-job training	16,400	15,960	-440	0%	840	840	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	
51-3000	Food Processing Workers	23,600	24,060	460	2%	1,120	1,580	NA NA		23,600	24,060	460	0%	1,120	1,580	
51-3011	Bakers	3,630	3,710	80	2%	170	250	\$20,258	Long-term on-the-job training	3,630	3,710	80	0%	170	250	
51-3021	Butchers and Meat Cutters	3,220	3,230	10	0%	150	160	\$26,199	Long-term on-the-job training	3,220	3,230	10	0%	150	160	
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1,900	1,990	90	5%	90	180	\$19,242	Short-term on-the-job training	1,900	1,990	90	0%	90	180	
51-3023	Slaughterers and Meat Packers	1,910	1,960	50	3%	90	140	\$23,757	Moderate-term on-the-job training	1,910	1,960	50	0%	90	140	
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tr	1,060	1,060	-10	0%	70	70	\$28,909	Short-term on-the-job training	1,060	1,060	-10	0%	70	70	
51-3092	Food Batchmakers	3,200	3,250	50	2%	160	220	\$24,857	Short-term on-the-job training	3,200	3,250	50	0%	160	220	
51-3093	Food Cooking Machine Operators and Tenders	1,850	1,890	40	2%	90	130	\$19,486	Short-term on-the-job training	1,850	1,890	40	0%	90	130	
51-3099	Food Processing Workers, All Other (OES Only)	6,840	6,980	140	2%	310	450	NA NA		6,840	6,980	140	0%	310	450	
										#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	

Code	Occupational Title	1st Quarter 2005	1st Quarter 2007	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>	
		Employment	Projection							
51-4000	<i>Metal Workers and Plastic Workers</i>	120,850	118,330	-2,510	-2%	5,570	5,640	NA NA	120,850	118,330
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	6,210	6,070	-140	-2%	170	170	\$31,828 Long-term on-the-job training	6,210	6,070
51-4012	Numerical Tool and Process Control Programmers	1,190	1,190	0	0%	30	30	\$38,367 Long-term on-the-job training	1,190	1,190
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	6,770	6,610	-170	-2%	460	460	\$29,544 Moderate-term on-the-job training	6,770	6,610
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	3,620	3,500	-120	-3%	100	100	\$28,672 Moderate-term on-the-job training	3,620	3,500
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	4,040	4,030	0	0%	180	180	\$34,884 Moderate-term on-the-job training	4,040	4,030
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	11,150	10,950	-200	-2%	490	490	\$30,005 Moderate-term on-the-job training	11,150	10,950
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4,850	4,670	-190	-4%	250	250	\$35,723 Moderate-term on-the-job training	4,850	4,670
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4,230	4,100	-130	-3%	150	150	\$31,967 Moderate-term on-the-job training	4,230	4,100
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4,690	4,590	-100	-2%	170	170	\$36,023 Moderate-term on-the-job training	4,690	4,590
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	2,690	2,600	-90	-3%	80	80	\$35,788 Moderate-term on-the-job training	2,690	2,600
51-4041	Machinists	11,030	10,940	-90	-1%	490	490	\$35,883 Long-term on-the-job training	11,030	10,940
51-4051	Metal-Refining Furnace Operators and Tenders	2,040	2,010	-30	-1%	90	90	\$39,351 Moderate-term on-the-job training	2,040	2,010
51-4052	Pourers and Casters, Metal and Plastic	1,450	1,390	-50	-4%	60	60	\$35,974 Moderate-term on-the-job training	1,450	1,390
51-4061	Model Makers, Metal and Plastic	1,110	1,100	0	0%	70	70	\$43,646 Moderate-term on-the-job training	1,110	1,100
51-4062	Patternmakers, Metal and Plastic	760	750	-10	-2%	50	50	\$42,903 Moderate-term on-the-job training	760	750
51-4071	Foundry Mold and Coremakers	2,610	2,510	-110	-4%	120	120	\$36,814 Moderate-term on-the-job training	2,610	2,510
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	8,800	8,710	-100	-1%	410	410	\$27,767 Moderate-term on-the-job training	8,800	8,710
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	5,610	5,590	-30	0%	310	310	\$35,636 Moderate-term on-the-job training	5,610	5,590
51-4111	Tool and Die Makers	5,440	5,220	-220	-4%	220	220	\$46,053 Long-term on-the-job training	5,440	5,220
51-4121	Welders, Cutters, Solderers, and Brazers	9,670	9,740	70	1%	530	600	\$32,065 Postsecondary vocational training	9,670	9,740
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	3,680	3,570	-110	-3%	200	200	\$31,273 Moderate-term on-the-job training	3,680	3,570
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	1,730	1,650	-80	-5%	140	140	\$34,031 Moderate-term on-the-job training	1,730	1,650
51-4192	Lay-Out Workers, Metal and Plastic	1,110	1,090	-20	-1%	30	30	\$35,703 Moderate-term on-the-job training	1,110	1,090
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	3,130	3,010	-120	-4%	130	130	\$36,376 Moderate-term on-the-job training	3,130	3,010
51-4194	Tool Grinders, Filers, and Sharpeners	2,130	2,020	-110	-5%	130	130	\$32,727 Moderate-term on-the-job training	2,130	2,020
51-4199	Metal Workers and Plastic Workers, All Other	11,120	10,750	-370	-3%	500	500	\$47,164 Moderate-term on-the-job training	11,120	10,750
51-5000	<i>Printing Workers</i>	15,420	15,040	-380	-2%	710	740	NA NA	#N/A	#N/A
51-5011	Bindery Workers	2,310	2,220	-100	-4%	120	120	\$27,036 Moderate-term on-the-job training	2,310	2,220
51-5012	Bookbinders	510	500	-10	-2%	30	30	\$32,479 Moderate-term on-the-job training	510	500
51-5021	Job Printers	1,670	1,650	-20	-1%	80	80	\$31,570 Long-term on-the-job training	1,670	1,650
51-5022	Prepress Technicians and Workers	2,370	2,220	-150	-6%	110	110	\$31,493 Long-term on-the-job training	2,370	2,220
51-5023	Printing Machine Operators	4,800	4,660	-140	-3%	210	210	\$29,646 Moderate-term on-the-job training	4,800	4,660
51-5099	Printing Workers, All Other (OES Only)	3,770	3,800	30	1%	170	200	NA NA	3,770	3,800
51-6000	<i>Textile, Apparel, and Furnishings Workers</i>	33,110	33,240	130	0%	1,370	1,640	NA NA	#N/A	#N/A
51-6011	Laundry and Dry-Cleaning Workers	5,600	5,670	70	1%	320	390	\$17,682 Moderate-term on-the-job training	5,600	5,670
51-6021	Pressers, Textile, Garment, and Related Materials	1,770	1,770	10	0%	50	60	\$18,670 Short-term on-the-job training	1,770	1,770
51-6031	Sewing Machine Operators	4,830	4,900	70	1%	110	180	\$22,022 Moderate-term on-the-job training	4,830	4,900
51-6041	Shoe and Leather Workers and Repairers	720	730	10	1%	50	50	\$21,168 Long-term on-the-job training	720	730
51-6042	Shoe Machine Operators and Tenders	200	190	-10	-4%	10	10	NA NA	200	190
51-6051	Sewers, Hand	2,120	2,190	70	3%	70	140	\$23,207 Short-term on-the-job training	2,120	2,190
51-6052	Tailors, Dressmakers, and Custom Sewers	2,210	2,220	0	0%	80	80	\$19,909 Work experience in a related occupation	2,210	2,220
51-6061	Textile Bleaching and Dyeing Machine Operators and Tenders	510	510	0	-1%	30	30	NA NA	510	510
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	1,430	1,410	-30	-2%	60	60	\$24,766 Moderate-term on-the-job training	1,430	1,410
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	960	960	10	1%	20	30	\$24,642 Long-term on-the-job training	960	960
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	2,960	2,980	30	1%	100	130	\$21,320 NA	2,960	2,980
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic	2,170	2,170	0	0%	80	80	\$28,303 Moderate-term on-the-job training	2,170	2,170
51-6092	Fabric and Apparel Patternmakers	460	460	10	2%	50	60	\$26,571 Long-term on-the-job training	460	460
51-6093	Upholsterers	2,310	2,210	-100	-4%	120	120	\$28,477 Long-term on-the-job training	2,310	2,210
51-6099	Textile, Apparel, and Furnishings Workers, All Other	4,880	4,880	0	0%	240	240	\$24,697 Moderate-term on-the-job training	4,880	4,880
51-7000	<i>Woodworkers</i>	15,790	15,380	-410	-3%	850	850	NA NA	#N/A	#N/A
51-7011	Cabinetmakers and Bench Carpenters	4,640	4,540	-90	-2%	240	240	\$27,490 Long-term on-the-job training	4,640	4,540
51-7021	Furniture Finishers	2,240	2,180	-50	-2%	90	90	\$24,477 Long-term on-the-job training	2,240	2,180
51-7031	Model Makers, Wood	970	960	-10	-1%	70	70	\$38,172 Long-term on-the-job training	970	960
51-7032	Patternmakers, Wood	610	590	-20	-4%	50	50	NA Long-term on-the-job training	610	590
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,690	1,630	-70	-4%	100	100	\$23,957 Moderate-term on-the-job training	1,690	1,630
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	3,310	3,180	-140	-4%	170	170	\$24,976 Moderate-term on-the-job training	3,310	3,180
51-7099	Woodworkers, All Other	2,340	2,310	-30	-1%	140	140	\$22,431 Moderate-term on-the-job training	2,340	2,310
51-8000	<i>Plant and System Operators</i>	15,900	15,890	-10	0%	840	890	NA NA	#N/A	#N/A
51-8011	Nuclear Power Reactor Operators	150	150	0	1%	10	10	NA NA	150	150
51-8012	Power Distributors and Dispatchers	550	550	-10	-1%	30	30	\$56,191 Long-term on-the-job training	550	550
51-8013	Power Plant Operators	1,810	1,820	10	0%	80	90	\$53,937 Long-term on-the-job training	1,810	1,820
51-8021	Stationary Engineers and Boiler Operators	3,550	3,560	10	0%	110	120	\$37,190 Long-term on-the-job training	3,550	3,560
51-8031	Water and Liquid Waste Treatment Plant and System Operators	2,340	2,340	0	0%	160	170	\$31,839 Long-term on-the-job training	2,340	2,340
51-8091	Chemical Plant and System Operators	1,540	1,530	-10	0%	90	90	\$39,503 Long-term on-the-job training	1,540	1,530
51-8092	Gas Plant Operators	780	780	-10	-1%	50	50	\$45,426 Long-term on-the-job training	780	780
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	1,620	1,660	40	2%	100	140	NA NA	1,620	1,660
51-8099	Plant and System Operators, All Other	3,550	3,510	-40	-1%	210	210	\$38,285 Long-term on-the-job training	3,550	3,510
51-9000	<i>Other Production Occupations</i>	126,340	125,890	-450	0%	6,080	6,650	NA NA	#N/A	#N/A
51-9011	Chemical Equipment Operators and Tenders	4,430	4,410	-10	0%	260	260	\$31,459 Moderate-term on-the-job training	4,430	4,410
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	2,090	2,060	-30	-1%	120	120	\$40,412 Moderate-term on-the-job training	2,090	2,060
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	4,230	4,160	-60	-2%	210	210	\$32,527 Moderate-term on-the-job training	4,230	4,160

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>							
51-9022	Grinding and Polishing Workers, Hand	2,990	2,970	-30	-1%	150	150	\$26,940 Moderate-term on-the-job training		2,990	2,970	-30	0%	150	150	
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	2,720	2,710	-20	-1%	140	140	\$30,963 Moderate-term on-the-job training		2,720	2,710	-20	0%	140	140	
51-9031	Cutters and Trimmers, Hand	4,730	4,700	-30	-1%	200	200	\$24,385 Short-term on-the-job training		4,730	4,700	-30	0%	200	200	
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	4,350	4,330	-20	0%	180	180	\$29,573 Moderate-term on-the-job training		4,350	4,330	-20	0%	180	180	
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators,	5,100	4,940	-170	-3%	260	260	\$27,454 Moderate-term on-the-job training		5,100	4,940	-170	0%	260	260	
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	2,240	2,200	-50	-2%	100	100	\$34,282 Moderate-term on-the-job training		2,240	2,200	-50	0%	100	100	
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	14,680	14,640	-40	0%	640	640	\$32,312 Moderate-term on-the-job training		14,680	14,640	-40	0%	640	640	
51-9071	Jewelers and Precious Stone and Metal Workers	1,640	1,610	-30	-2%	60	60	\$36,908 Postsecondary vocational training		1,640	1,610	-30	0%	60	60	
51-9081	Dental Laboratory Technicians	1,340	1,380	40	3%	50	90	\$29,875 Long-term on-the-job training		1,340	1,380	40	0%	50	90	
51-9082	Medical Appliance Technicians	1,470	1,500	30	2%	60	90	\$31,115 Long-term on-the-job training		1,470	1,500	30	0%	60	90	
51-9083	Ophthalmic Laboratory Technicians	1,600	1,640	40	2%	70	100	\$22,860 Moderate-term on-the-job training		1,600	1,640	40	0%	70	100	
51-9111	Packaging and Filling Machine Operators and Tenders	11,510	11,840	330	3%	450	780	\$26,395 Short-term on-the-job training		11,510	11,840	330	0%	450	780	
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	5,270	5,310	40	1%	280	320	\$26,632 Moderate-term on-the-job training		5,270	5,310	40	0%	280	320	
51-9122	Painters, Transportation Equipment	2,270	2,310	40	2%	120	160	\$30,549 Moderate-term on-the-job training		2,270	2,310	40	0%	120	160	
51-9123	Painting, Coating, and Decorating Workers	2,700	2,720	20	1%	140	160	\$22,670 Short-term on-the-job training		2,700	2,720	20	0%	140	160	
51-9131	Photographic Process Workers	1,720	1,690	-30	-2%	80	80	\$22,420 Moderate-term on-the-job training		1,720	1,690	-30	0%	80	80	
51-9132	Photographic Processing Machine Operators	2,360	2,360	-10	0%	110	110	\$20,066 Short-term on-the-job training		2,360	2,360	-10	0%	110	110	
51-9141	Semiconductor Processors	950	970	20	2%	40	60	\$27,989 NA		950	970	20	0%	40	60	
51-9191	Cementing and Gluing Machine Operators and Tenders	2,130	2,100	-30	-1%	120	120	\$28,394 Moderate-term on-the-job training		2,130	2,100	-30	0%	120	120	
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	1,970	1,960	-10	0%	130	130	\$30,821 Moderate-term on-the-job training		1,970	1,960	-10	0%	130	130	
51-9193	Cooling and Freezing Equipment Operators and Tenders	380	390	10	3%	20	30	NA Moderate-term on-the-job training		380	390	10	0%	20	30	
51-9194	Etchers and Engravers	1,450	1,430	-20	-1%	80	80	\$26,816 Long-term on-the-job training		1,450	1,430	-20	0%	80	80	
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	2,520	2,490	-30	-1%	120	120	\$30,356 Moderate-term on-the-job training		2,520	2,490	-30	0%	120	120	
51-9196	Paper Goods Machine Setters, Operators, and Tenders	3,100	3,070	-30	-1%	130	130	\$28,945 Moderate-term on-the-job training		3,100	3,070	-30	0%	130	130	
51-9197	Tire Builders	600	590	-10	-2%	30	30	NA NA		600	590	-10	0%	30	30	
51-9198	Helpers--Production Workers	13,490	13,410	-80	-1%	790	790	\$22,290 Short-term on-the-job training		13,490	13,410	-80	0%	790	790	
51-9199	Production Workers, All Other	20,340	20,020	-320	-2%	950	950	\$33,863 Moderate-term on-the-job training		20,340	20,020	-320	0%	950	950	
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>237,120</b>	<b>239,400</b>	<b>2,280</b>	<b>1%</b>	<b>10,600</b>	<b>13,640</b>	<b>\$28,504 NA</b>		<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>0%</b>	<b>#N/A</b>	<b>#N/A</b>	
										<b>237,120</b>	<b>239,400</b>	<b>2,280</b>	<b>0%</b>	<b>10,600</b>	<b>13,640</b>	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-1000	Supervisors, Transportation and Material Moving Workers	9,140	9,200	60	1%	400	460	NA NA		9,140	9,200	60	0%	400	460	
53-1011	Aircraft Cargo Handling Supervisors	1,470	1,480	10	0%	60	70	\$32,601 Work experience in a related occupation		1,470	1,480	10	0%	60	70	
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers	3,800	3,850	40	1%	170	210	\$41,067 Work experience in a related occupation		3,800	3,850	40	0%	170	210	
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Ma	3,860	3,880	20	0%	170	180	\$47,792 Work experience in a related occupation		3,860	3,880	20	0%	170	180	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-2000	Air Transportation Workers	4,470	4,540	70	1%	210	280	NA NA		4,470	4,540	70	0%	210	280	
53-2011	Airline Pilots, Copilots, and Flight Engineers	1,190	1,200	10	1%	60	70	\$79,095 Bachelor's degree		1,190	1,200	10	0%	60	70	
53-2012	Commercial Pilots	1,440	1,440	0	0%	70	70	\$46,459 Postsecondary vocational training		1,440	1,440	0	0%	70	70	
53-2021	Air Traffic Controllers	870	900	30	4%	40	70	\$103,596 Long-term on-the-job training		870	900	30	0%	40	70	
53-2022	Airfield Operations Specialists	180	180	0	-1%	10	10	\$55,009 Short-term on-the-job training		180	180	0	0%	10	10	
53-2099	Air Transportation Workers, All Other (OES Only)	800	820	20	3%	40	60	NA NA		800	820	20	0%	40	60	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-3000	Motor Vehicle Operators	93,870	95,850	1,990	2%	2,540	4,530	NA NA		93,870	95,850	1,990	0%	2,540	4,530	
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	1,110	1,160	60	5%	20	80	\$19,024 Moderate-term on-the-job training		1,110	1,160	60	0%	20	80	
53-3021	Bus Drivers, Transit and Intercity	4,030	4,050	20	0%	160	180	\$24,986 Moderate-term on-the-job training		4,030	4,050	20	0%	160	180	
53-3022	Bus Drivers, School	11,220	11,500	280	3%	460	740	\$23,696 Short-term on-the-job training		11,220	11,500	280	0%	460	740	
53-3031	Driver/Sales Workers	13,460	13,620	170	1%	400	570	\$22,731 Short-term on-the-job training		13,460	13,620	170	0%	400	570	
53-3032	Truck Drivers, Heavy and Tractor-Trailer	29,980	30,920	940	3%	900	1,840	\$36,153 Moderate-term on-the-job training		29,980	30,920	940	0%	900	1,840	
53-3033	Truck Drivers, Light or Delivery Services	24,820	25,170	350	1%	400	750	\$26,112 Short-term on-the-job training		24,820	25,170	350	0%	400	750	
53-3041	Taxi Drivers and Chauffeurs	3,530	3,550	20	1%	60	80	\$17,147 Short-term on-the-job training		3,530	3,550	20	0%	60	80	
53-3099	Motor Vehicle Operators, All Other	5,720	5,880	160	3%	150	300	\$19,052 Short-term on-the-job training		5,720	5,880	160	0%	150	300	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-4000	Rail Transportation Workers	1,410	1,420	20	1%	80	100	NA NA		1,410	1,420	20	0%	80	100	
53-4011	Locomotive Engineers	70	70	0	0%	0	0	\$54,223 Short-term on-the-job training		70	70	0	0%	0	0	
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	640	650	10	1%	40	50	\$39,648 Work experience in a related occupation		640	650	10	0%	40	50	
53-4021	Railroad Brake, Signal, and Switch Operators	130	130	0	-2%	0	0	\$44,569 Work experience in a related occupation		130	130	0	0%	0	0	
53-4031	Railroad Conductors and Yardmasters	120	120	0	2%	10	10	\$58,762 Work experience in a related occupation		120	120	0	0%	10	10	
53-4041	Subway and Streetcar Operators	130	130	0	1%	10	10	NA NA		130	130	0	0%	10	10	
53-4099	Rail Transportation Workers, All Other	320	330	10	2%	20	30	\$39,746 Short-term on-the-job training		320	330	10	0%	20	30	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-5000	Water Transportation Workers	2,030	2,090	60	3%	120	190	NA NA		2,030	2,090	60	0%	120	190	
53-5011	Sailors and Marine Oilers	550	580	30	5%	40	60	\$35,524 Short-term on-the-job training		550	580	30	0%	40	60	
53-5021	Captains, Mates, and Pilots of Water Vessels	800	830	30	4%	40	70	\$44,015 Work experience in a related occupation		800	830	30	0%	40	70	
53-5022	Motorboat Operators	140	140	0	1%	10	10	NA NA		140	140	0	0%	10	10	
53-5031	Ship Engineers	250	250	-10	-2%	20	20	\$67,426 Postsecondary vocational training		250	250	-10	0%	20	20	
53-5099	Water Transportation Workers, All Other (OES Only)	300	300	10	3%	10	20	NA NA		300	300	10	0%	10	20	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-6000	Other Transportation Workers	14,950	15,390	440	3%	1,040	1,490	NA NA		14,950	15,390	440	0%	1,040	1,490	
53-6011	Bridge and Lock Tenders	110	110	0	-4%	10	10	\$38,466 NA		110	110	0	0%	10	10	
53-6021	Parking Lot Attendants	4,160	4,280	130	3%	270	400	\$15,683 Short-term on-the-job training		4,160	4,280	130	0%	270	400	
53-6031	Service Station Attendants	2,900	2,930	30	1%	320	350	\$17,714 Short-term on-the-job training		2,900	2,930	30	0%	320	350	
53-6041	Traffic Technicians	160	170	0	2%	10	10	\$34,341 Short-term on-the-job training		160	170	0	0%	10	10	
53-6051	Transportation Inspectors	2,480	2,580	100	4%	110	210	\$50,986 Work experience in a related occupation		2,480	2,580	100	0%	110	210	
53-6099	Transportation Workers, All Other	5,140	5,330	190	4%	330	520	\$29,327 Short-term on-the-job training		5,140	5,330	190	0%	330	520	
										<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	<b>#N/A</b>	
53-7000	Material Moving Workers	111,260	110,910	-350	0%	6,200	6,600	NA NA		111,260	110,910	-350	0%	6,200	6,600	
53-7011	Conveyor Operators and Tenders	4,210	4,140	-70	-2%	240	240	\$29,453 Short-term on-the-job training		4,210	4,140	-70	0%	240	240	

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements <sup>1</sup>	Total Openings	2004 Annual Wage <sup>2</sup>	Education Requirement <sup>3</sup>							
53-7021	Crane and Tower Operators	3,330	3,380	40	1%	140	180	\$38,473 Moderate-term on-the-job training		3,330	3,380	40	0%	140	180	
53-7031	Dredge Operators	230	240	10	2%	10	20	\$30,060 Short-term on-the-job training		230	240	10	0%	10	20	
53-7032	Excavating and Loading Machine and Dragline Operators	1,760	1,800	40	2%	90	130	\$35,597 Moderate-term on-the-job training		1,760	1,800	40	0%	90	130	
53-7033	Loading Machine Operators, Underground Mining	200	190	0	-1%	10	10	\$37,932 Short-term on-the-job training		200	190	0	0%	10	10	
53-7041	Hoist and Winch Operators	1,420	1,420	0	0%	90	90	\$40,509 Moderate-term on-the-job training		1,420	1,420	0	0%	90	90	
53-7051	Industrial Truck and Tractor Operators	14,960	15,010	40	0%	530	580	\$29,165 Short-term on-the-job training		14,960	15,010	40	0%	530	580	
53-7061	Cleaners of Vehicles and Equipment	8,280	8,300	20	0%	640	660	\$20,650 Short-term on-the-job training		8,280	8,300	20	0%	640	660	
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	30,190	29,990	-200	-1%	2,270	2,270	\$23,927 Short-term on-the-job training		30,190	29,990	-200	0%	2,270	2,270	
53-7063	Machine Feeders and Offbearers	7,340	6,920	-430	-6%	430	430	\$24,485 Short-term on-the-job training		7,340	6,920	-430	0%	430	430	
53-7064	Packers and Packagers, Hand	20,820	20,980	170	1%	790	960	\$20,494 Short-term on-the-job training		20,820	20,980	170	0%	790	960	
53-7071	Gas Compressor and Gas Pumping Station Operators	360	360	0	-1%	20	20	\$52,415 Moderate-term on-the-job training		360	360	0	0%	20	20	
53-7072	Pump Operators, Except Wellhead Pumps	1,350	1,380	30	2%	60	80	\$36,707 Moderate-term on-the-job training		1,350	1,380	30	0%	60	80	
53-7073	Wellhead Pumps	130	130	0	0%	10	10	NA NA		130	130	0	0%	10	10	
53-7081	Refuse and Recyclable Material Collectors	3,640	3,660	20	0%	180	200	\$30,302 Short-term on-the-job training		3,640	3,660	20	0%	180	200	
53-7111	Shuttle Car Operators	80	80	0	0%	0	0	NA NA		80	80	0	0%	0	0	
53-7121	Tank Car, Truck, and Ship Loaders	3,230	3,260	40	1%	180	210	\$28,545 Moderate-term on-the-job training		3,230	3,260	40	0%	180	210	
53-7199	Material Moving Workers, All Other	9,730	9,690	-40	0%	520	520	\$29,718 Short-term on-the-job training		9,730	9,690	-40	0%	520	520	

- 1) Replacements are "Net replacement" openings. Net replacement openings estimate the difference between the movement of experienced workers who change jobs to enter other occupations, retire, or leave the workforce for other reasons and the movement of experienced workers filling the openings. The openings that remain unfilled by experienced workers are net replacement openings, available to new workforce entrants. In most occupations, net replacement openings significantly understate the total number of job openings because net replacement openings measure the difference between the number of workers in the workforce who leave an occupation and the number who enter the occupation.

- 2) 2004 Annual Wage is the regional average wage for the occupation from the Occupational Employment Statistics program, conducted by the Indiana Department of Workforce Development for the national Bureau of Labor Statistics.

- 3) Occupations are classified into 1 of 11 categories by the Bureau of Labor Statistics based on analyses of the occupation's usual education and training requirements. The 11 classifications are as follows:

First professional degree. Completion of the academic program usually requires at least 6 years of full-time equivalent academic study, including college study prior to entering the professional degree program.

Doctoral degree. Completion of the degree program usually requires at least 3 years of full-time equivalent academic work beyond the bachelor's degree.

Master's degree. Completion of the degree program usually requires 1 or 2 years of full-time equivalent study beyond the bachelor's degree.

Work experience, plus a bachelor's or higher degree. Most occupations in this category are managerial occupations that require experience in a related nonmanagerial position.

Bachelor's degree. Completion of the degree program generally requires at least 4 years but not more than 5 years of full-time equivalent academic work.

Associate degree. Completion of the degree program usually requires at least 2 years of full-time equivalent academic study.

Postsecondary vocational training. Some programs last only a few weeks while others may last more than a year. In some occupations, a license is needed that requires passing an examination after completion of the training.

Work experience in a related occupation. Some occupations requiring work experience are supervisory or managerial occupations.

Long-term on-the-job training. This category includes occupations that generally require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance. This category includes formal and informal apprenticeships that may last up to 4 years and short-term intensive employer-sponsored training that workers must successfully complete. Individuals undergoing training are generally considered to be employed in the occupation. This category includes occupations in which workers may gain experience in non-work activities, such as professional athletes who gain experience through participation in athletic programs in academic institutions.

Moderate-term on-the-job training. This category includes occupations in which workers can develop the skills needed for average job performance after 1 to 12 months of combined on-the-job experience and informal training.

Short-term on-the-job training. This category covers occupations in which workers can develop the skills needed for average job performance after a short demonstration or up to one month of on-the-job experience or instruction.